GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49497	Strand	-
Start	67216	End	68711
Name	OJ991214_13.0118.C4.o13.gs	Method	GENSCAN
Start	67216	End	68619
GI	none	Score	1
Exons	67216..68619		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49497	Strand	-
Start	67216	End	68711
Name	OJ991214_13.0118.C4.o7.gp	Method	AAT/GAP
Start	68362	End	68711
GI	none	Score	692
Exons	68362..68711		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o6.tm	Method	TBLASTX:Maize
Start	2441	End	68247
GI	none	Score	134
Exons	2441..2575, 2442..2576, 2450..2581, 2561..2677, 2585..2671, 31427..31489, 31427..31483, 31529..31711, 31536..31685, 31730..31834, 67846..67914, 67846..67929, 67933..68022, 67960..68022, 68011..68145, 68012..68146, 68131..68247, 68155..68232		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o9.tm	Method	TBLASTX:Maize
Start	18510	End	48338
GI	none	Score	201
Exons	18510..18692, 18514..18696, 18542..18691, 48149..48337, 48150..48338, 48151..48333, 48152..48337		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o3.tw	Method	TBLASTX:Wheat
Start	18528	End	48708
GI	none	Score	127
Exons	18528..18695, 18542..18691, 18546..18995, 18661..18963, 18717..19019, 19044..19097, 48147..48350, 48164..48334, 48171..48344, 48354..48704, 48355..48501, 48360..48704, 48556..48708		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o4.ts	Method	TBLASTX:Soybean

Start	18531	End	48560
GI	none	Score	136
Exons	18531..18710, 18714..18914, 48168..48341, 48369..48560		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o5.tm	Method	TBLASTX:Maize
Start	29242	End	29718
GI	none	Score	99
Exons	29242..29358, 29400..29669, 29425..29718		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o4.tw	Method	TBLASTX:Wheat
Start	29614	End	30018
GI	none	Score	453
Exons	29614..30018, 29616..29999		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o1.tm	Method	TBLASTX:Maize
Start	29742	End	30220
GI	none	Score	85
Exons	29742..29915, 29742..30113, 29743..30114, 30111..30152, 30112..30150, 30188..30220, 30191..30220		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o9.tw	Method	TBLASTX:Wheat
Start	30019	End	30250
GI	none	Score	167
Exons	30019..30189, 30188..30250		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o7.tw	Method	TBLASTX:Wheat
Start	51361	End	51762
GI	none	Score	218
Exons	51361..51597, 51361..51555, 51462..51602, 51592..51762, 51645..51761		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o10.tw	Method	TBLASTX:Wheat
Start	51763	End	52455
GI	none	Score	69
Exons	51763..51843, 52083..52154, 52237..52455		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780

Name	OJ991214_13.0118.C4.o2.tw	Method	TBLASTX:Wheat
Start	58286	End	58762
GI	none	Score	342
Exons	58286..58672, 58288..58671, 58687..58761, 58691..58762		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o5.ts	Method	TBLASTX:Soybean
Start	58414	End	58755
GI	none	Score	93
Exons	58414..58623, 58435..58623, 58642..58755, 58649..58729		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o7.tm	Method	TBLASTX:Maize
Start	58618	End	58957
GI	none	Score	194
Exons	58618..58956, 58619..58957		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o2.ts	Method	TBLASTX:Soybean
Start	58762	End	59113
GI	none	Score	114
Exons	58762..59112, 58913..59113		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o5.tw	Method	TBLASTX:Wheat
Start	58966	End	59511
GI	none	Score	45
Exons	58966..59172, 58996..59145, 59167..59511, 59191..59364		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o3.tm	Method	TBLASTX:Maize
Start	59047	End	59511
GI	none	Score	85
Exons	59047..59511, 59194..59376		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o1.ts	Method	TBLASTX:Soybean
Start	59182	End	59646
GI	5509260	Score	61
Exons	59182..59646, 59201..59260, 59333..59428, 59477..59545		
GI Descrip.	-		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780

Name	OJ991214_13.0118.C4.o1.tc	Method	TBLASTX:Cress
Start	59293	End	59553
GI	none	Score	273
Exons	59293..59553		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o1.tw	Method	TBLASTX:Wheat
Start	59566	End	60321
GI	none	Score	185
Exons	59566..59799, 59567..59725, 59583..59813, 59586..59783, 59845..59904, 59855..60313, 59863..60321		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o8.tm	Method	TBLASTX:Maize
Start	59893	End	60420
GI	none	Score	84
Exons	59893..60138, 60157..60420, 60191..60376		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o3.ts	Method	TBLASTX:Soybean
Start	59971	End	60369
GI	none	Score	42
Exons	59971..60144, 59996..60046, 60098..60136, 60145..60369, 60160..60342, 60191..60361, 60324..60368		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o8.tw	Method	TBLASTX:Wheat
Start	60322	End	60521
GI	none	Score	107
Exons	60322..60444, 60322..60444, 60327..60458, 60430..60519, 60438..60521, 60440..60520		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o2.tm	Method	TBLASTX:Maize
Start	60799	End	61114
GI	none	Score	373
Exons	60799..61083, 60800..61114, 60801..61088		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o4.tm	Method	TBLASTX:Maize
Start	61620	End	61933
GI	none	Score	255
Exons	61620..61910, 61622..61933, 61625..61915		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4

Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o6.tw	Method	TBLASTX:Wheat
Start	61681	End	62071
GI	none	Score	231
Exons	61681..61833, 61682..62068, 61683..62057, 61685..62071		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49498	Strand	-
Start	69555	End	70780
Name	OJ991214_13.0118.C4.o14.gs	Method	GENSCAN
Start	69555	End	70780
GI	none	Score	.94
Exons	69555..69680, 69799..69933, 70445..70780		

Seq. No.	23778	Seq. ID	OJ991214_13.0118.C5
Gene No.	49499	Strand	+
Start	1	End	2069
Name	OJ991214_13.0118.C5.o1.np	Method	AAT/NAP
Start	1	End	2069
GI	6705984	Score	2819
Exons	1..2069		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	23778	Seq. ID	OJ991214_13.0118.C5
Gene No.	49499	Strand	+
Start	1	End	2069
Name	OJ991214_13.0118.C5.o1.tw	Method	TBLASTX:Wheat
Start	42	End	501
GI	none	Score	322
Exons	42..317, 43..330, 331..501, 332..487, 336..497		

Seq. No.	23778	Seq. ID	OJ991214_13.0118.C5
Gene No.	49499	Strand	+
Start	1	End	2069
Name	OJ991214_13.0118.C5.o1.gs	Method	GENSCAN
Start	82	End	1901
GI	none	Score	.8
Exons	82..969, 1506..1901		

Seq. No.	23778	Seq. ID	OJ991214_13.0118.C5
Gene No.	49499	Strand	+
Start	1	End	2069
Name	OJ991214_13.0118.C5.o3.tm	Method	TBLASTX:Maize
Start	280	End	543
GI	none	Score	311
Exons	280..543, 282..488, 289..525		

Seq. No.	23778	Seq. ID	OJ991214_13.0118.C5
Gene No.	49499	Strand	+
Start	1	End	2069
Name	OJ991214_13.0118.C5.o3.ts	Method	TBLASTX:Soybean
Start	280	End	525
GI	none	Score	303
Exons	280..525, 282..488, 289..525		

Seq. No.	23778	Seq. ID	OJ991214_13.0118.C5

Gene No.	49499	Strand	+
Start	1	End	2069
Name	OJ991214_13.0118.C5.o5.tw	Method	TBLASTX:Wheat
Start	531	End	813
GI	none	Score	211
Exons	531..593, 565..813, 627..809		

Seq. No.	23778	Seq. ID	OJ991214_13.0118.C5
Gene No.	49499	Strand	+
Start	1	End	2069
Name	OJ991214_13.0118.C5.o4.tm	Method	TBLASTX:Maize
Start	754	End	903
GI	none	Score	226
Exons	754..903, 762..902		

Seq. No.	23778	Seq. ID	OJ991214_13.0118.C5
Gene No.	49499	Strand	+
Start	1	End	2069
Name	OJ991214_13.0118.C5.o2.tw	Method	TBLASTX:Wheat
Start	862	End	1339
GI	none	Score	67
Exons	862..981, 977..1339, 985..1305		

Seq. No.	23778	Seq. ID	OJ991214_13.0118.C5
Gene No.	49499	Strand	+
Start	1	End	2069
Name	OJ991214_13.0118.C5.o2.tm	Method	TBLASTX:Maize
Start	992	End	1397
GI	none	Score	331
Exons	992..1360, 1001..1180, 1093..1362, 1359..1397		

Seq. No.	23778	Seq. ID	OJ991214_13.0118.C5
Gene No.	49499	Strand	+
Start	1	End	2069
Name	OJ991214_13.0118.C5.o2.ts	Method	TBLASTX:Soybean
Start	1316	End	1667
GI	none	Score	61
Exons	1316..1363, 1340..1666, 1359..1667		

Seq. No.	23778	Seq. ID	OJ991214_13.0118.C5
Gene No.	49499	Strand	+
Start	1	End	2069
Name	OJ991214_13.0118.C5.o4.tw	Method	TBLASTX:Wheat
Start	1392	End	1793
GI	none	Score	292
Exons	1392..1793, 1394..1720		

Seq. No.	23778	Seq. ID	OJ991214_13.0118.C5
Gene No.	49499	Strand	+
Start	1	End	2069
Name	OJ991214_13.0118.C5.o1.tm	Method	TBLASTX:Maize
Start	1440	End	1985
GI	none	Score	387
Exons	1440..1985, 1481..1861		

Seq. No.	23778	Seq. ID	OJ991214_13.0118.C5
Gene No.	49499	Strand	+

Start	1	End	2069
Name	OJ991214_13.0118.C5.o1.ts	Method	TBLASTX:Soybean
Start	1703	End	1960
GI	none	Score	307
Exons	1703..1960, 1704..1958		

Seq. No.	23778	Seq. ID	OJ991214_13.0118.C5
Gene No.	49499	Strand	+
Start	1	End	2069
Name	OJ991214_13.0118.C5.o3.tw	Method	TBLASTX:Wheat
Start	1880	End	2069
GI	none	Score	300
Exons	1880..2062, 1881..2069		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49500	Strand	+
Start	1	End	8486
Name	OJ991214_13.0118.C6.o1.np	Method	AAT/NAP
Start	1	End	1492
GI	6705984	Score	1797
Exons	1..868, 1136..1492		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49500	Strand	+
Start	1	End	8486
Name	OJ991214_13.0118.C6.o2.np	Method	AAT/NAP
Start	1	End	1997
GI	5257279	Score	311
Exons	1..24, 143..302, 414..874, 1136..1302, 1784..1997		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49500	Strand	+
Start	1	End	8486
Name	OJ991214_13.0118.C6.o1.gs	Method	GENSCAN
Start	707	End	4672
GI	none	Score	.49
Exons	707..1709, 2153..2498, 2565..3274, 3314..3621, 4427..4672		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49500	Strand	+
Start	1	End	8486
Name	OJ991214_13.0118.C6.o3.np	Method	AAT/NAP
Start	2353	End	8486
GI	6691193	Score	122
Exons	2353..2676, 8466..8486		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49501	Strand	+
Start	13202	End	17240
Name	OJ991214_13.0118.C6.o3.gs	Method	GENSCAN
Start	13202	End	16533
GI	none	Score	.62
Exons	13202..14014, 14150..15118, 15310..16533		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49501	Strand	+
Start	13202	End	17240
Name	OJ991214_13.0118.C6.o4.np	Method	AAT/NAP
Start	13202	End	16512
GI	4680203	Score	3226
Exons	13202..14875, 15029..15258, 15535..16512		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49501	Strand	+
Start	13202	End	17240
Name	OJ991214_13.0118.C6.o1.gp	Method	AAT/GAP
Start	13206	End	17240
GI	342_1.R1084	Score	6289
Exons	13206..17240		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49502	Strand	-
Start	5859	End	10622
Name	OJ991214_13.0118.C6.o2.tc	Method	TBLASTX:Cress
Start	62	End	436
GI	none	Score	364
Exons	62..436, 143..433, 211..435		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49502	Strand	-
Start	5859	End	10622
Name	OJ991214_13.0118.C6.o1.tm	Method	TBLASTX:Maize
Start	155	End	499
GI	none	Score	440
Exons	155..493, 170..499, 187..498		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49502	Strand	-
Start	5859	End	10622
Name	OJ991214_13.0118.C6.o4.tw	Method	TBLASTX:Wheat
Start	248	End	607
GI	none	Score	376
Exons	248..607, 248..595, 256..597		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49502	Strand	-
Start	5859	End	10622
Name	OJ991214_13.0118.C6.o5.tm	Method	TBLASTX:Maize
Start	500	End	1066
GI	none	Score	212
Exons	500..799, 866..1066		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49502	Strand	-
Start	5859	End	10622
Name	OJ991214_13.0118.C6.o2.tw	Method	TBLASTX:Wheat
Start	638	End	1303

GI	none	Score	330
Exons	638..868, 638..865, 639..866, 640..873, 905..1303, 906..1280, 907..1293		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49502	Strand	-
Start	5859	End	10622
Name	OJ991214_13.0118.C6.o2.tm	Method	TBLASTX:Maize
Start	803	End	1344
GI	none	Score	79
Exons	803..865, 805..864, 806..865, 1070..1342, 1072..1344		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49502	Strand	-
Start	5859	End	10622
Name	OJ991214_13.0118.C6.o6.tm	Method	TBLASTX:Maize
Start	1346	End	1585
GI	none	Score	182
Exons	1346..1534, 1348..1446, 1353..1550, 1544..1585		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49502	Strand	-
Start	5859	End	10622
Name	OJ991214_13.0118.C6.o2.gs	Method	GENSCAN
Start	5859	End	10622
GI	none	Score	.48
Exons	5859..6028, 6452..6526, 8830..9040, 10132..10260, 10569..10622		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49503	Strand	
Start	13508	End	13904
Name	OJ991214_13.0118.C6.o6.tw	Method	TBLASTX:Wheat
Start	13508	End	13904
GI	none	Score	97
Exons	13508..13660, 13643..13894, 13651..13893, 13654..13896, 13662..13904		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49504	Strand	
Start	13825	End	14698
Name	OJ991214_13.0118.C6.o1.ts	Method	TBLASTX:Soybean
Start	13825	End	14254
GI	none	Score	103
Exons	13825..13908, 13826..13900, 13901..13963, 13958..14254, 13990..14241		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49504	Strand	
Start	13825	End	14698
Name	OJ991214_13.0118.C6.o3.tc	Method	TBLASTX:Cress
Start	13987	End	14335
GI	none	Score	288
Exons	13987..14061, 13994..14335, 14089..14139, 14188..14316		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49504	Strand	
Start	13825	End	14698

Name	OJ991214_13.0118.C6.o3.tw	Method	TBLASTX:Wheat
Start	14123	End	14592
GI	none	Score	73
Exons	14123..14179, 14131..14175, 14176..14277, 14177..14281, 14285..14383, 14290..14382, 14293..14385, 14363..14587, 14384..14587, 14386..14592		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49504	Strand	
Start	13825	End	14698
Name	OJ991214_13.0118.C6.o3.tm	Method	TBLASTX:Maize
Start	14168	End	14626
GI	none	Score	243
Exons	14168..14422, 14180..14422, 14432..14626		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49504	Strand	
Start	13825	End	14698
Name	OJ991214_13.0118.C6.o2.ts	Method	TBLASTX:Soybean
Start	14456	End	14698
GI	none	Score	207
Exons	14456..14698		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49505	Strand	
Start	14731	End	15141
Name	OJ991214_13.0118.C6.o5.tw	Method	TBLASTX:Wheat
Start	14731	End	15141
GI	none	Score	87
Exons	14731..14781, 14732..14794, 14780..15022, 14800..14982, 15050..15130, 15055..15141, 15056..15136		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49506	Strand	
Start	15142	End	16458
Name	OJ991214_13.0118.C6.o1.tw	Method	TBLASTX:Wheat
Start	15142	End	16458
GI	none	Score	114
Exons	15142..15231, 15143..15238, 15237..16019, 15238..16059, 15727..16026, 16052..16099, 16053..16094, 16054..16098, 16101..16196, 16105..16164, 16143..16283, 16144..16272, 16174..16290, 16212..16292, 16296..16349, 16297..16377, 16366..16458, 16370..16441, 16392..16457		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49506	Strand	
Start	15142	End	16458
Name	OJ991214_13.0118.C6.o4.tm	Method	TBLASTX:Maize
Start	15185	End	15498
GI	none	Score	67
Exons	15185..15238, 15228..15470, 15238..15498		

Seq. No.	23779	Seq. ID	OJ991214_13.0118.C6
Gene No.	49506	Strand	
Start	15142	End	16458
Name	OJ991214_13.0118.C6.o1.tc	Method	TBLASTX:Cress
Start	15429	End	15877

GI	none	Score	366
Exons	15429..15842, 15433..15855, 15626..15877, 15727..15876		

Seq. No.	23780	Seq. ID	OJ991014_11.0111.C2
Gene No.	49507	Strand	+
Start	1	End	1254
Name	OJ991014_11.0111.C2.o1.np	Method	AAT/NAP
Start	1	End	1254
GI	4680183	Score	172
Exons	1..79, 490..560, 1165..1254		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	23780	Seq. ID	OJ991014_11.0111.C2
Gene No.	49507	Strand	+
Start	1	End	1254
Name	OJ991014_11.0111.C2.o1.gs	Method	GENSCAN
Start	420	End	985
GI	none	Score	.47
Exons	420..438, 490..570, 897..985		

Seq. No.	23780	Seq. ID	OJ991014_11.0111.C2
Gene No.	49508	Strand	-
Start	1885	End	3452
Name	OJ991014_11.0111.C2.o2.gs	Method	GENSCAN
Start	1885	End	3452
GI	none	Score	.63
Exons	1885..2172, 2268..2337, 2381..2472, 2600..2755, 3099..3149, 3447..3452		

Seq. No.	23781	Seq. ID	OJ991014_11.0111.C3
Gene No.	49509	Strand	-
Start	854	End	1530
Name	OJ991014_11.0111.C3.o1.gs	Method	GENSCAN
Start	854	End	1530
GI	none	Score	.89
Exons	854..927, 1478..1530		

Seq. No.	23782	Seq. ID	OJ991014_11.0111.C4
Gene No.	49510	Strand	+
Start	3892	End	10441
Name	OJ991014_11.0111.C4.o4.np	Method	AAT/NAP
Start	3808	End	10441
GI	5852172	Score	48
Exons	3808..3976, 10101..10210, 10412..10441		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	23782	Seq. ID	OJ991014_11.0111.C4
Gene No.	49510	Strand	+
Start	3892	End	10441
Name	OJ991014_11.0111.C4.o2.gs	Method	GENSCAN
Start	3892	End	4422
GI	none	Score	.96
Exons	3892..4128, 4207..4422		

Seq. No.	23782	Seq. ID	OJ991014_11.0111.C4
Gene No.	49510	Strand	+
Start	3892	End	10441

Name	OJ991014_11.0111.C4.o3.np	Method	AAT/NAP
Start	7708	End	9114
GI	6691203	Score	66
Exons	7708..7776, 9034..9114		
GI Descrip.	(AC007508) F1K23.7 [Arabidopsis thaliana]		

Seq. No.	23782	Seq. ID	OJ991014_11.0111.C4
Gene No.	49511	Strand	+
Start	11303	End	11548
Name	OJ991014_11.0111.C4.o2.gp	Method	AAT/GAP
Start	11303	End	11461
GI	uC-osf1M202062d10b1	Score	274
Exons	11303..11461		
GI Descrip.	'2499709/sp|Q43007|PLD1_ORYSA 1.0e-49 PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) >gi_1020415_dbj_BAA11136_ (D73411) phospholipase D [Oryza sativa] >gi_1902903_dbj_BAA19467_ (AB001920) phospholipase D [Oryza sativa]'		

Seq. No.	23782	Seq. ID	OJ991014_11.0111.C4
Gene No.	49511	Strand	+
Start	11303	End	11548
Name	OJ991014_11.0111.C4.o5.np	Method	AAT/NAP
Start	11354	End	11548
GI	2499708	Score	109
Exons	11354..11464, 11498..11548		
GI Descrip.	PHOSPHOLIPASE D PRECURSOR (PLD) (CHOLINE PHOSPHATASE) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D) gi|1020409|dbj|BAA11135| (D73410) phospholipase D [Zea mays]		

Seq. No.	23782	Seq. ID	OJ991014_11.0111.C4
Gene No.	49512	Strand	-
Start	1654	End	5836
Name	OJ991014_11.0111.C4.o1.gp	Method	AAT/GAP
Start	1300	End	1939
GI	3764119	Score	1180
Exons	1300..1939		
GI Descrip.	4138581/emb|CAA67107| 1.0e-31 (X98474) mitochondrial energy transfer protein [Solanum tuberosum]		

Seq. No.	23782	Seq. ID	OJ991014_11.0111.C4
Gene No.	49512	Strand	-
Start	1654	End	5836
Name	OJ991014_11.0111.C4.o1.gs	Method	GENSCAN
Start	1654	End	3230
GI	none	Score	.95
Exons	1654..2124, 2228..2389, 3183..3230		

Seq. No.	23782	Seq. ID	OJ991014_11.0111.C4
Gene No.	49512	Strand	-
Start	1654	End	5836
Name	OJ991014_11.0111.C4.o1.np	Method	AAT/NAP
Start	1654	End	5836
GI	4138581	Score	1113
Exons	1654..2124, 2228..2389, 3916..4363, 5778..5836		
GI Descrip.	(X98474) mitochondrial energy transfer protein [Solanum		

tuberosum]

Seq. No.	23782	Seq. ID	OJ991014_11.0111.C4
Gene No.	49513	Strand	-
Start	8117	End	8743
Name	OJ991014_11.0111.C4.o1.ts	Method	TBLASTX:Soybean
Start	1651	End	4119
GI	none	Score	97
Exons	1651..1821, 1658..1747, 1681..1830, 1825..2130, 1829..2131, 1975..2115, 2183..2308, 4033..4119		

Seq. No.	23782	Seq. ID	OJ991014_11.0111.C4
Gene No.	49513	Strand	-
Start	8117	End	8743
Name	OJ991014_11.0111.C4.o1.tm	Method	TBLASTX:Maize
Start	1654	End	4161
GI	none	Score	184
Exons	1654..1959, 1657..2130, 1681..1827, 1814..2110, 1975..2112, 2008..2115, 2228..2395, 2232..2390, 3896..4150, 3913..4143, 3916..4161, 4027..4131, 4028..4114		

Seq. No.	23782	Seq. ID	OJ991014_11.0111.C4
Gene No.	49513	Strand	-
Start	8117	End	8743
Name	OJ991014_11.0111.C4.o1.tw	Method	TBLASTX:Wheat
Start	1656	End	4114
GI	none	Score	90
Exons	1656..1871, 1657..1947, 1658..1747, 1814..1948, 1975..2124, 4027..4110, 4028..4114		

Seq. No.	23782	Seq. ID	OJ991014_11.0111.C4
Gene No.	49513	Strand	-
Start	8117	End	8743
Name	OJ991014_11.0111.C4.o1.tc	Method	TBLASTX:Cress
Start	1657	End	4131
GI	none	Score	150
Exons	1657..1947, 1814..1945, 1975..2124, 4033..4131		

Seq. No.	23782	Seq. ID	OJ991014_11.0111.C4
Gene No.	49513	Strand	-
Start	8117	End	8743
Name	OJ991014_11.0111.C4.o2.np	Method	AAT/NAP
Start	6537	End	8683
GI	3241945	Score	203
Exons	6537..6584, 8120..8683		
GI Descrip.	(AC004625) unknown protein [Arabidopsis thaliana]		

Seq. No.	23782	Seq. ID	OJ991014_11.0111.C4
Gene No.	49513	Strand	-
Start	8117	End	8743
Name	OJ991014_11.0111.C4.o3.gs	Method	GENSCAN
Start	8117	End	8743
GI	none	Score	.97
Exons	8117..8554, 8648..8743		

Seq. No.	23782	Seq. ID	OJ991014_11.0111.C4
Gene No.	49513	Strand	-

Start	8117	End	8743
Name	OJ991014_11.0111.C4.o2.ts	Method	TBLASTX:Soybean
Start	8153	End	8527
GI	none	Score	67
Exons	8153..8245, 8270..8398, 8274..8399, 8399..8527, 8445..8519		

Seq. No.	23782	Seq. ID	OJ991014_11.0111.C4
Gene No.	49513	Strand	-
Start	8117	End	8743
Name	OJ991014_11.0111.C4.o2.tm	Method	TBLASTX:Maize
Start	8252	End	8555
GI	none	Score	59
Exons	8252..8299, 8265..8303, 8303..8386, 8331..8390, 8420..8554, 8421..8555		

Seq. No.	23782	Seq. ID	OJ991014_11.0111.C4
Gene No.	49513	Strand	-
Start	8117	End	8743
Name	OJ991014_11.0111.C4.o2.tc	Method	TBLASTX:Cress
Start	8270	End	8527
GI	none	Score	115
Exons	8270..8401, 8414..8527		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49514	Strand	+
Start	393	End	3746
Name	OJ991014_11.0111.C5.o1.np	Method	AAT/NAP
Start	393	End	3743
GI	2499709	Score	3310
Exons	393..466, 1258..3228, 3310..3743		
GI Descrip.	PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) gi|1020415|dbj|BAA11136| (D73411) phospholipase D [Oryza sativa] gi|1902903|dbj|BAA19467| (AB001920) phospholipase D [Oryza sativa]		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49514	Strand	+
Start	393	End	3746
Name	OJ991014_11.0111.C5.o1.gs	Method	GENSCAN
Start	1263	End	3746
GI	none	Score	.68
Exons	1263..1430, 1492..2121, 2166..3228, 3310..3746		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49514	Strand	+
Start	393	End	3746
Name	OJ991014_11.0111.C5.o1.gp	Method	AAT/GAP
Start	1295	End	1615
GI	uC-osf1M202062d10b1	Score	605
Exons	1295..1615		
GI Descrip.	'2499709/sp|Q43007|PLD1_ORYSA 1.0e-49 PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) >gi_1020415_dbj_BAA11136_ (D73411) phospholipase D [Oryza sativa] >gi_1902903_dbj_BAA19467_ (AB001920) phospholipase D [Oryza sativa]'		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49514	Strand	+
Start	393	End	3746
Name	OJ991014_11.0111.C5.o2.gp	Method	AAT/GAP
Start	1658	End	1998
GI	3090597	Score	564
Exons	1658..1998		
GI Descrip.	2499709/sp|Q43007|PLD1_ORYSA 1.0e-30 PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) >gi_1020415_dbj_BAA11136_ (D73411) phospholipase D [Oryza sativa] >gi_1902903_dbj_BAA19467_ (AB001920) phospholipase D [Oryza sativa]		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49514	Strand	+
Start	393	End	3746
Name	OJ991014_11.0111.C5.o3.gp	Method	AAT/GAP
Start	2624	End	3082
GI	43947_1.R1084	Score	879
Exons	2624..3082		
GI Descrip.	'2499709/sp|Q43007|PLD1_ORYSA 6.0e-65 PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) >gi_1020415_dbj_BAA11136_ (D73411) phospholipase D [Oryza sativa] >gi_1902903_dbj_BAA19467_ (AB001920) phospholipase D [Oryza sativa]'		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49515	Strand	+
Start	9144	End	16218
Name	OJ991014_11.0111.C5.o3.gs	Method	GENSCAN
Start	9144	End	15815
GI	none	Score	.4
Exons	9144..9723, 13256..13788, 14442..14522, 15038..15210, 15291..15387, 15699..15815		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49515	Strand	+
Start	9144	End	16218
Name	OJ991014_11.0111.C5.o6.gp	Method	AAT/GAP
Start	13099	End	15312
GI	8799_1.R1084	Score	1624
Exons	13099..13570, 13675..13788, 14442..14522, 15038..15210, 15291..15312		
GI Descrip.	'114009/sp|P05636|APAG_ECOLI 5.0e-10 APAG PROTEIN >gi_72927_pir__BVECAG apaG protein - Escherichia coli >gi_40918_emb_CAA28418_ (X04711) URF (apaG) (AA 1-375) [Escherichia coli] >gi_216475_dbj_BAA01326_ (D10483) apaG protein [Escherichia coli] >gi_1786235 (AE000115) orf, hypothetical protein [Escherichia coli]'		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49515	Strand	+
Start	9144	End	16218
Name	OJ991014_11.0111.C5.o3.np	Method	AAT/NAP
Start	15025	End	15797

GI	114009	Score	149
Exons	15025..15210, 15291..15387, 15699..15797		
GI Descrip.	APAG PROTEIN gi|72927|pir||BVECAG apaG protein - Escherichia coli gi|40918|emb|CAA28418| (X04711) URF (apaG) (AA 1-375) [Escherichia coli] gi|216475|dbj|BAA01326| (D10483) apaG protein [Escherichia coli] gi|1786235 (AE000115) orf, hypothetical protein [Escherichia coli]		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49515	Strand	+
Start	9144	End	16218
Name	OJ991014_11.0111.C5.o7.gp	Method	AAT/GAP
Start	15703	End	16218
GI	2115_1.R1084	Score	1008
Exons	15703..16218		
GI Descrip.	'4138581/emb|CAA67107| 1.0e-31 (X98474) mitochondrial energy transfer protein [Solanum tuberosum]'		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49516	Strand	-
Start	4855	End	9781
Name	OJ991014_11.0111.C5.o1.tm	Method	TBLASTX:Maize
Start	1291	End	3749
GI	none	Score	394
Exons	1291..1596, 1297..1377, 1344..1505, 1623..1955, 1624..2241, 1729..1962, 2019..2240, 2305..2352, 2307..2351, 2352..2825, 2354..2710, 2757..2825, 2828..3226, 2829..3227, 3308..3418, 3309..3419, 3420..3746, 3431..3565, 3468..3749		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49516	Strand	-
Start	4855	End	9781
Name	OJ991014_11.0111.C5.o2.ts	Method	TBLASTX:Soybean
Start	1294	End	2241
GI	none	Score	336
Exons	1294..1596, 1344..1505, 1626..1955, 1627..2241, 2019..2240		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49516	Strand	-
Start	4855	End	9781
Name	OJ991014_11.0111.C5.o1.tc	Method	TBLASTX:Cress
Start	1297	End	3746
GI	none	Score	318
Exons	1297..1596, 1353..1505, 1623..1955, 1624..2241, 1729..1968, 2022..2240, 2305..2331, 2307..2330, 2331..2351, 2332..2352, 2352..2819, 2354..2710, 2772..2828, 2828..3226, 2829..3227, 3177..3239, 3179..3229, 3308..3409, 3309..3419, 3411..3746, 3431..3565, 3629..3745		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49516	Strand	-
Start	4855	End	9781
Name	OJ991014_11.0111.C5.o2.tw	Method	TBLASTX:Wheat
Start	1668	End	2037
GI	none	Score	515
Exons	1668..1955, 1675..2037, 1729..1962		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49516	Strand	-
Start	4855	End	9781
Name	OJ991014_11.0111.C5.o3.ts	Method	TBLASTX:Soybean
Start	2305	End	2510
GI	none	Score	83
Exons	2305..2352, 2307..2348, 2352..2510, 2354..2509		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49516	Strand	-
Start	4855	End	9781
Name	OJ991014_11.0111.C5.o1.ts	Method	TBLASTX:Soybean
Start	2511	End	3758
GI	none	Score	459
Exons	2511..2831, 2516..2716, 2786..2830, 2828..3226, 2829..3227, 3308..3397, 3309..3419, 3420..3746, 3431..3565, 3468..3602, 3629..3745, 3657..3758		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49516	Strand	-
Start	4855	End	9781
Name	OJ991014_11.0111.C5.o3.tw	Method	TBLASTX:Wheat
Start	2730	End	2965
GI	none	Score	153
Exons	2730..2825, 2754..2825, 2828..2965, 2829..2963		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49516	Strand	-
Start	4855	End	9781
Name	OJ991014_11.0111.C5.o4.tw	Method	TBLASTX:Wheat
Start	2966	End	3140
GI	none	Score	229
Exons	2966..3139, 2967..3140		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49516	Strand	-
Start	4855	End	9781
Name	OJ991014_11.0111.C5.o1.tw	Method	TBLASTX:Wheat
Start	3143	End	3743
GI	none	Score	87
Exons	3143..3226, 3156..3227, 3308..3565, 3309..3743, 3468..3602, 3626..3742		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49516	Strand	-
Start	4855	End	9781
Name	OJ991014_11.0111.C5.o4.gp	Method	AAT/GAP
Start	4855	End	6061
GI	11092_1.R1084	Score	1253
Exons	4855..5168, 5255..5384, 5601..5669, 5745..5864, 6003..6061		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49516	Strand	-
Start	4855	End	9781
Name	OJ991014_11.0111.C5.o2.np	Method	AAT/NAP

Start	5095	End	9781
GI	1778147	Score	861
Exons	5095..5168, 5255..5384, 5601..5669, 5745..5864, 6003..6087, 6230..6315, 6422..6574, 8855..8977, 9092..9272, 9617..9781		
GI Descrip.	(U66403) phosphate/phosphoenolpyruvate translocator precursor [Zea mays]		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49516	Strand	-
Start	4855	End	9781
Name	OJ991014_11.0111.C5.o2.tc	Method	TBLASTX:Cress
Start	5096	End	9172
GI	none	Score	85
Exons	5096..5173, 5128..5169, 5241..5387, 5245..5388, 5253..5390, 5598..5669, 5748..5921, 5758..5865, 6001..6084, 6003..6092, 6199..6318, 6215..6313, 6413..6565, 6422..6577, 6423..6572, 8852..8992, 8874..8981, 9050..9172		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49516	Strand	-
Start	4855	End	9781
Name	OJ991014_11.0111.C5.o3.tm	Method	TBLASTX:Maize
Start	5096	End	9172
GI	none	Score	70
Exons	5096..5170, 5128..5169, 5245..5388, 5253..5390, 5598..5684, 5748..5867, 5752..5844, 5950..6081, 5989..6084, 6003..6092, 6226..6318, 6229..6282, 6230..6313, 6392..6556, 6401..6577, 6420..6593, 8852..8992, 9068..9172		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49516	Strand	-
Start	4855	End	9781
Name	OJ991014_11.0111.C5.o4.ts	Method	TBLASTX:Soybean
Start	5989	End	6578
GI	none	Score	90
Exons	5989..6087, 6003..6092, 6003..6092, 6199..6318, 6229..6291, 6230..6331, 6392..6577, 6401..6577, 6411..6578		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49516	Strand	-
Start	4855	End	9781
Name	OJ991014_11.0111.C5.o5.gp	Method	AAT/GAP
Start	8435	End	8564
GI	3760640	Score	77
Exons	8435..8494, 8543..8564		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49517	Strand	
Start	13505	End	15374
Name	OJ991014_11.0111.C5.o5.ts	Method	TBLASTX:Soybean
Start	13505	End	15208
GI	none	Score	70
Exons	13505..13570, 13672..13788, 14436..14522, 14441..14518, 15031..15204, 15036..15200, 15037..15204, 15038..15208, 15047..15208		

Seq. No.	23783	Seq. ID	OJ991014_11.0111.C5
Gene No.	49517	Strand	
Start	13505	End	15374
Name	OJ991014_11.0111.C5.o2.tm	Method	TBLASTX:Maize
Start	13507	End	15374
GI	none	Score	99
Exons	13507..13587, 13508..13570, 13525..13572, 13669..13749, 13672..13788, 13761..13805, 14436..14522, 14440..14523, 14441..14521, 15023..15211, 15033..15218, 15037..15216, 15038..15226, 15067..15225, 15253..15363, 15291..15374, 15292..15372		

Seq. No.	23784	Seq. ID	OJ991014_11.0111.C6
Gene No.	49518	Strand	+
Start	132	End	500
Name	OJ991014_11.0111.C6.o1.gs	Method	GENSCAN
Start	132	End	500
GI	none	Score	.95
Exons	132..297, 429..500		

Seq. No.	23785	Seq. ID	OJ991014_11.0111.C7
Gene No.	49519	Strand	+
Start	1	End	1000
Name	OJ991014_11.0111.C7.o1.np	Method	AAT/NAP
Start	1	End	1000
GI	2462749	Score	102
Exons	1..22, 298..441, 926..1000		
GI Descrip.	(AC002292) Putative Serine/Threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	23786	Seq. ID	OJ991014_11.0111.C8
Gene No.	49520	Strand	+
Start	219	End	4584
Name	OJ991014_11.0111.C8.o1.gs	Method	GENSCAN
Start	219	End	4584
GI	none	Score	.78
Exons	219..225, 505..555, 1225..1557, 2521..2721, 2743..2912, 3375..3700, 4035..4087, 4415..4584		

Seq. No.	23786	Seq. ID	OJ991014_11.0111.C8
Gene No.	49520	Strand	+
Start	219	End	4584
Name	OJ991014_11.0111.C8.o1.np	Method	AAT/NAP
Start	1225	End	3701
GI	2462749	Score	958
Exons	1225..1557, 2521..2912, 3375..3701		
GI Descrip.	(AC002292) Putative Serine/Threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	23786	Seq. ID	OJ991014_11.0111.C8
Gene No.	49521	Strand	+
Start	8541	End	8885
Name	OJ991014_11.0111.C8.o2.gs	Method	GENSCAN
Start	8541	End	8885
GI	none	Score	.78
Exons	8541..8885		

Seq. No.	23786	Seq. ID	OJ991014_11.0111.C8
Gene No.	49522	Strand	+
Start	10114	End	14882
Name	OJ991014_11.0111.C8.o3.gs	Method	GENSCAN
Start	10114	End	14882
GI	none	Score	.66
Exons	10114..10156, 11441..11587, 11779..11921, 11928..12155, 12175..12492, 12903..13017, 13213..13408, 13685..13732, 14050..14146, 14820..14882		

Seq. No.	23786	Seq. ID	OJ991014_11.0111.C8
Gene No.	49523	Strand	+
Start	16336	End	16509
Name	OJ991014_11.0111.C8.o4.gs	Method	GENSCAN
Start	16336	End	16509
GI	none	Score	.7
Exons	16336..16509		

Seq. No.	23786	Seq. ID	OJ991014_11.0111.C8
Gene No.	49524	Strand	-
Start	18597	End	25884
Name	OJ991014_11.0111.C8.o1.tm	Method	TBLASTX:Maize
Start	1227	End	2873
GI	none	Score	363
Exons	1227..1556, 1238..1546, 2514..2873, 2537..2647, 2738..2854		

Seq. No.	23786	Seq. ID	OJ991014_11.0111.C8
Gene No.	49524	Strand	-
Start	18597	End	25884
Name	OJ991014_11.0111.C8.o1.tc	Method	TBLASTX:Cress
Start	1266	End	21398
GI	none	Score	64
Exons	1266..1385, 1416..1559, 2535..2870, 2540..2860, 19029..19220, 19107..19241, 19107..19223, 19107..19220, 19110..19220, 19110..19220, 19110..19220, 19110..19220, 19110..19217, 19110..19226, 19203..19406, 19221..19406, 19221..19376, 19221..19406, 19221..19406, 19227..19367, 19230..19406, 19230..19406, 19230..19406, 19467..19727, 19467..19667, 19467..19799, 19467..19826, 19467..19808, 19473..19811, 19473..19799, 19473..19811, 19473..19814, 19473..20381, 19543..19914, 19548..19832, 19689..20456, 19761..20459, 19815..20312, 19818..20381, 19833..20507, 19851..19928, 19902..20447, 19956..20456, 20034..20477, 20035..20145, 20047..20379, 20047..20418, 20049..20477, 20097..20453, 20190..20492, 20224..20427, 20316..20498, 20634..20798, 20637..20753, 20646..20798, 20646..21290, 20646..20798, 20646..20798, 20647..20907, 20647..20826, 20647..20799, 20653..21021, 20713..20883, 20859..21398, 20859..21338, 20859..21329, 20859..21329, 20859..21329, 20860..21021, 20868..21329, 20934..21338, 20982..21158, 21018..21224, 21063..21329, 21099..21329, 21136..21234		

Seq. No.	23786	Seq. ID	OJ991014_11.0111.C8
Gene No.	49524	Strand	-
Start	18597	End	25884
Name	OJ991014_11.0111.C8.o1.ts	Method	TBLASTX:Soybean

Start	1305	End	21341
GI	none	Score	77
Exons	1305..1385, 1410..1559, 2543..2644, 2544..2714, 2715..2861, 2750..2857, 19023..19226, 19038..19406, 19038..19232, 19107..19223, 19110..19220, 19110..19220, 19110..19334, 19110..19223, 19218..19406, 19221..19376, 19221..19352, 19221..19406, 19221..19406, 19239..19406, 19242..19406, 19245..19406, 19287..19406, 19467..19817, 19467..19712, 19473..19784, 19473..19808, 19473..19814, 19473..19808, 19473..19808, 19635..19766, 19812..20219, 19818..20357, 19833..20291, 19833..20237, 19839..20459, 19839..20429, 19851..20201, 19872..19979, 19899..20315, 19968..20459, 19971..20381, 20013..20429, 20046..20453, 20118..20456, 20185..20499, 20187..20456, 20191..20418, 20220..20339, 20263..20427, 20292..20411, 20466..20507, 20568..20798, 20646..20798, 20646..20798, 20646..20798, 20646..20798, 20646..20798, 20646..20798, 20646..20762, 20646..20798, 20647..20943, 20655..20798, 20787..20933, 20787..21158, 20859..21329, 20859..21257, 20859..21302, 20859..21308, 20859..21242, 20904..21338, 20928..21341, 20932..21021, 20961..21080, 21027..21152, 21130..21231, 21136..21243		

Seq. No.	23786	Seq. ID	OJ991014_11.0111.C8
Gene No.	49524	Strand	-
Start	18597	End	25884
Name	OJ991014_11.0111.C8.o1.tw	Method	TBLASTX:Wheat
Start	2525	End	2873
GI	none	Score	303
Exons	2525..2659, 2529..2873, 2729..2854		

Seq. No.	23786	Seq. ID	OJ991014_11.0111.C8
Gene No.	49524	Strand	-
Start	18597	End	25884
Name	OJ991014_11.0111.C8.o3.tm	Method	TBLASTX:Maize
Start	12050	End	12234
GI	none	Score	170
Exons	12050..12157, 12051..12170, 12166..12234, 12168..12233		

Seq. No.	23786	Seq. ID	OJ991014_11.0111.C8
Gene No.	49524	Strand	-
Start	18597	End	25884
Name	OJ991014_11.0111.C8.o2.tw	Method	TBLASTX:Wheat
Start	13671	End	21452
GI	none	Score	56
Exons	13671..13772, 19110..19226, 19110..19226, 19125..19220, 19230..19367, 19467..19736, 19488..19817, 19779..20012, 19917..20240, 19923..20204, 19989..20300, 20061..20396, 20277..20456, 20570..20626, 20646..20798, 20646..20798, 20646..20768, 20859..21113, 20874..21158, 20946..21266, 21048..21164, 21055..21276, 21090..21329, 21298..21405, 21336..21380, 21393..21452		

Seq. No.	23786	Seq. ID	OJ991014_11.0111.C8
Gene No.	49524	Strand	-
Start	18597	End	25884
Name	OJ991014_11.0111.C8.o2.np	Method	AAT/NAP
Start	16835	End	21548

GI	2982431	Score	1896
Exons	16835..16865, 18903..21548		
GI Descrip.	(AL022224) leucine rich repeat-like protein [Arabidopsis thaliana]		

Seq. No.	23786	Seq. ID	OJ991014_11.0111.C8
Gene No.	49524	Strand	-
Start	18597	End	25884
Name	OJ991014_11.0111.C8.o5.gs	Method	GENSCAN
Start	18597	End	25884
GI	none	Score	.71
Exons	18597..21611, 21639..21737, 22195..22232, 22647..22756, 25264..25409, 25864..25884		

Seq. No.	23786	Seq. ID	OJ991014_11.0111.C8
Gene No.	49524	Strand	-
Start	18597	End	25884
Name	OJ991014_11.0111.C8.o2.tm	Method	TBLASTX:Maize
Start	19107	End	21329
GI	none	Score	66
Exons	19107..19217, 19126..19200, 19131..19214, 19227..19394, 19329..19511, 19473..19682, 19476..19769, 19491..19655, 19491..19652, 19563..19736, 19638..20111, 19848..20123, 19905..20183, 19920..20069, 19977..20255, 19995..20153, 20019..20342, 20019..20327, 20067..20213, 20088..20390, 20211..20381, 20235..20462, 20262..20444, 20266..20418, 20283..20507, 20285..20452, 20646..20798, 20646..20798, 20713..20868, 20859..21068, 20868..21140, 21030..21158, 21063..21308, 21096..21284, 21219..21329		

Seq. No.	23786	Seq. ID	OJ991014_11.0111.C8
Gene No.	49524	Strand	-
Start	18597	End	25884
Name	OJ991014_11.0111.C8.o4.tm	Method	TBLASTX:Maize
Start	21343	End	21570
GI	none	Score	128
Exons	21343..21480, 21344..21481, 21345..21536, 21346..21570, 21514..21570		

Seq. No.	23787	Seq. ID	OJ991014_11.0111.C9
Gene No.	49525	Strand	+
Start	19	End	368
Name	OJ991014_11.0111.C9.o1.gs	Method	GENSCAN
Start	19	End	368
GI	none	Score	.85
Exons	19..129, 348..368		

Seq. No.	23787	Seq. ID	OJ991014_11.0111.C9
Gene No.	49526	Strand	-
Start	925	End	3387
Name	OJ991014_11.0111.C9.o2.gs	Method	GENSCAN
Start	925	End	2659
GI	none	Score	.43
Exons	925..1061, 1495..1603, 1646..1669, 2552..2659		

Seq. No.	23787	Seq. ID	OJ991014_11.0111.C9
Gene No.	49526	Strand	-

Start	925	End	3387
Name	OJ991014_11.0111.C9.o1.np	Method	AAT/NAP
Start	1597	End	3387
GI	6714413	Score	289
Exons	1597..1669, 2312..2430, 2552..2661, 3210..3387		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	23787	Seq. ID	OJ991014_11.0111.C9
Gene No.	49526	Strand	-
Start	925	End	3387
Name	OJ991014_11.0111.C9.o3.gs	Method	GENSCAN
Start	3100	End	3357
GI	none	Score	.77
Exons	3100..3107, 3210..3357		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49527	Strand	+
Start	138	End	1043
Name	OJ991014_11.0111.C10.o1.gs	Method	GENSCAN
Start	138	End	1043
GI	none	Score	.9
Exons	138..413, 942..1043		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49528	Strand	+
Start	2213	End	8522
Name	OJ991014_11.0111.C10.o1.np	Method	AAT/NAP
Start	2213	End	7857
GI	3157941	Score	574
Exons	2213..2370, 3818..3938, 4061..4177, 4294..4394, 5225..5296, 5584..5665, 5765..5887, 7173..7322, 7696..7857		
GI Descrip.	(AC002131) Contains similarity to hypothetical protein gb|U95973 from A. thaliana. [Arabidopsis thaliana]		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49528	Strand	+
Start	2213	End	8522
Name	OJ991014_11.0111.C10.o1.gp	Method	AAT/GAP
Start	3468	End	3796
GI	none	Score	646
Exons	3468..3796		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49528	Strand	+
Start	2213	End	8522
Name	OJ991014_11.0111.C10.o2.gs	Method	GENSCAN
Start	3619	End	8522
GI	none	Score	.7
Exons	3619..3837, 4061..4177, 4294..4394, 5225..5296, 5620..5665, 5765..5845, 6699..6743, 7020..7085, 7120..7204, 7961..8038, 8431..8522		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49528	Strand	+
Start	2213	End	8522
Name	OJ991014_11.0111.C10.o2.gp	Method	AAT/GAP
Start	6695	End	7993

GI	LIB3434-047-P1-K1-D9	Score	723
Exons	6695..6743, 7020..7085, 7173..7322, 7696..7824, 7961..7993		
GI Descrip.	'3157941 4.0e-25 (AC002131) Contains similarity to hypothetical protein gb_U95973 from A. thaliana. [Arabidopsis thaliana]'		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49529	Strand	+
Start	12697	End	23757
Name	OJ991014_11.0111.C10.o4.gs	Method	GENSCAN
Start	12697	End	19057
GI	none	Score	.59
Exons	12697..12910, 13437..13505, 17313..17425, 17910..18071, 18195..18281, 18446..19057		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49529	Strand	+
Start	12697	End	23757
Name	OJ991014_11.0111.C10.o3.np	Method	AAT/NAP
Start	17919	End	23164
GI	6175145	Score	1193
Exons	17919..18101, 18195..18311, 18545..18662, 18695..18757, 20906..21070, 21402..21455, 21567..21713, 22790..23164		
GI Descrip.	(AC010796) unknown protein [Arabidopsis thaliana] gi|6453902|gb|AAF09085.1|AC011663_21 (AC011663) unknown protein [Arabidopsis thaliana]		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49529	Strand	+
Start	12697	End	23757
Name	OJ991014_11.0111.C10.o5.gs	Method	GENSCAN
Start	20921	End	23757
GI	none	Score	.74
Exons	20921..21070, 21175..21234, 21402..21455, 21567..21713, 22790..23121, 23700..23757		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49529	Strand	+
Start	12697	End	23757
Name	OJ991014_11.0111.C10.o4.np	Method	AAT/NAP
Start	23430	End	23528
GI	5777617	Score	78
Exons	23430..23528		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49530	Strand	+
Start	24063	End	26906
Name	OJ991014_11.0111.C10.o5.np	Method	AAT/NAP
Start	24063	End	26906
GI	1708191	Score	445
Exons	24063..24521, 24629..24806, 26768..26906		
GI Descrip.	HEXOSE CARRIER PROTEIN HEX6 gi|467319 (L08188) hexose carrier protein [Ricinus communis]		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49530	Strand	+
Start	24063	End	26906

Name	OJ991014_11.0111.C10.o6.gs	Method	GENSCAN
Start	24063	End	25292
GI	none	Score	.59
Exons	24063..24480, 24485..24521, 24752..25292		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49531	Strand	-
Start	7544	End	12307
Name	OJ991014_11.0111.C10.o2.np	Method	AAT/NAP
Start	7544	End	12307
GI	6016874	Score	2132
Exons	7544..7561, 9397..9460, 9486..9653, 10131..10470, 10588..10767, 11161..11320, 11711..11943, 12008..12145, 12229..12307		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49531	Strand	-
Start	7544	End	12307
Name	OJ991014_11.0111.C10.o3.gs	Method	GENSCAN
Start	10127	End	12307
GI	none	Score	.64
Exons	10127..10587, 11161..11320, 11855..11943, 12008..12145, 12229..12307		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49531	Strand	-
Start	7544	End	12307
Name	OJ991014_11.0111.C10.o3.gp	Method	AAT/GAP
Start	11110	End	11618
GI	uC-osflcyp110c07b1	Score	962
Exons	11110..11618		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o2.tm	Method	TBLASTX:Maize
Start	3850	End	4385
GI	none	Score	55
Exons	3850..3885, 3884..3937, 3885..3938, 4018..4146, 4056..4106, 4061..4180, 4062..4151, 4283..4336, 4288..4383, 4291..4383, 4293..4385		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o3.tc	Method	TBLASTX:Cress
Start	3885	End	5664
GI	none	Score	87
Exons	3885..3938, 4067..4180, 4069..4137, 4288..4392, 4293..4394, 5210..5296, 5226..5297, 5578..5664, 5579..5662		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10

Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o5.ts	Method	TBLASTX:Soybean
Start	3885	End	4392
GI	none	Score	69
Exons	3885..3938, 4076..4180, 4288..4392		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o6.ts	Method	TBLASTX:Soybean
Start	5210	End	7301
GI	none	Score	120
Exons	5210..5296, 5226..5300, 5578..5661, 5579..5665, 5762..5845, 5764..5844, 7019..7084, 7020..7085, 7167..7301, 7178..7300		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o4.tm	Method	TBLASTX:Maize
Start	6705	End	7824
GI	none	Score	84
Exons	6705..6743, 6705..6743, 7019..7090, 7019..7090, 7020..7091, 7020..7091, 7167..7322, 7172..7324, 7178..7324, 7689..7814, 7694..7819, 7695..7823, 7696..7821, 7738..7824		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o7.tm	Method	TBLASTX:Maize
Start	10193	End	10436
GI	none	Score	97
Exons	10193..10426, 10278..10436		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o9.tm	Method	TBLASTX:Maize
Start	10548	End	10900
GI	none	Score	136
Exons	10548..10889, 10619..10900		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o8.tm	Method	TBLASTX:Maize
Start	11105	End	11419
GI	none	Score	107
Exons	11105..11332, 11106..11324, 11345..11419		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o6.tm	Method	TBLASTX:Maize
Start	11513	End	11959
GI	none	Score	110
Exons	11513..11551, 11546..11602, 11639..11887, 11679..11888,		

11873..11959

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o1.tm	Method	TBLASTX:Maize
Start	18189	End	23175
GI	none	Score	94
Exons	18189..18266, 18581..18643, 20903..21073, 20905..21072, 21396..21455, 21533..21715, 21567..21713, 22787..23164, 22787..22891, 22789..23175		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o2.ts	Method	TBLASTX:Soybean
Start	20903	End	23169
GI	none	Score	212
Exons	20903..21073, 20905..21072, 21396..21455, 21533..21715, 21567..21713, 22787..23161, 22787..22897, 22789..23169		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o2.tw	Method	TBLASTX:Wheat
Start	20966	End	21715
GI	none	Score	56
Exons	20966..21043, 21034..21072, 21035..21073, 21390..21455, 21569..21715, 21570..21713		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o5.tc	Method	TBLASTX:Cress
Start	20996	End	21715
GI	none	Score	108
Exons	20996..21073, 21396..21455, 21401..21454, 21567..21710, 21569..21667, 21689..21715		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o2.tc	Method	TBLASTX:Cress
Start	22795	End	23169
GI	none	Score	475
Exons	22795..23169, 22802..23167		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o1.tw	Method	TBLASTX:Wheat
Start	22903	End	23175
GI	none	Score	255
Exons	22903..23175, 22904..23155		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-

Start	26903	End	30403
Name	OJ991014_11.0111.C10.o7.ts	Method	TBLASTX:Soybean
Start	24102	End	24806
GI	none	Score	101
Exons	24102..24233, 24103..24234, 24277..24336, 24366..24521, 24629..24757, 24780..24806		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o4.tc	Method	TBLASTX:Cress
Start	24118	End	24742
GI	none	Score	97
Exons	24118..24234, 24277..24336, 24366..24521, 24629..24742		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o4.gp	Method	AAT/GAP
Start	26505	End	26850
GI	3760479	Score	628
Exons	26505..26850		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o5.gp	Method	AAT/GAP
Start	26867	End	27297
GI	LIB3433-035-P1-K1-A1	Score	769
Exons	26867..27297		
GI Descrip.	'3402815/emb|AJ007829|CVE7829 1.0e-20 Cloning Vector pGreen'		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o7.gs	Method	GENSCAN
Start	26903	End	30403
GI	none	Score	.96
Exons	26903..27414, 27545..27731, 27764..30403		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o6.np	Method	AAT/NAP
Start	26949	End	30391
GI	2982452	Score	2222
Exons	26949..27444, 27509..28876, 29102..30391		
GI Descrip.	(AL022223) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o3.ts	Method	TBLASTX:Soybean
Start	27077	End	27424
GI	none	Score	167
Exons	27077..27301, 27099..27302, 27290..27337, 27303..27416,		

27332..27424, 27336..27416

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o1.tc	Method	TBLASTX:Cress
Start	27110	End	30112
GI	none	Score	66

Exons 27110..27196, 27275..27313, 27323..27424, 27324..27416,
27612..27755, 27842..27967, 28013..28162, 28463..28570,
28506..28562, 28556..28630, 28577..28702, 28580..28843,
28580..28825, 28586..28789, 28607..28798, 28607..28789,
28628..28789, 28659..28793, 28679..28825, 28808..29056,
28814..29050, 28817..28858, 28826..29056, 28826..29056,
28826..29056, 28826..28948, 28847..29023, 28890..28982,
28898..29056, 29042..29434, 29117..29959, 29117..29497,
29117..29377, 29186..29779, 29249..29782, 29294..29503,
29330..29737, 29546..29782, 29601..29768, 29619..29789,
29786..29965, 29801..29965, 29801..29962, 29837..29956,
29951..30103, 29960..30076, 29969..30076, 29975..30112,
29975..30103, 29984..30109

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o5.tm	Method	TBLASTX:Maize
Start	27315	End	27956
GI	none	Score	80

Exons 27315..27416, 27326..27424, 27544..27573, 27547..27600,
27609..27752, 27612..27755, 27842..27955, 27843..27956

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o4.ts	Method	TBLASTX:Soybean
Start	27612	End	27943
GI	none	Score	69

Exons 27612..27755, 27694..27753, 27842..27943

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o3.tw	Method	TBLASTX:Wheat
Start	27636	End	27970
GI	none	Score	88

Exons 27636..27755, 27657..27737, 27688..27753, 27842..27970

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o1.ts	Method	TBLASTX:Soybean
Start	28463	End	30109
GI	none	Score	67

Exons 28463..28798, 28577..28768, 28577..28708, 28589..29056,
28874..29056, 28893..29054, 28946..29203, 29117..29347,
29117..29296, 29117..29284, 29174..29419, 29240..29491,
29348..29497, 29378..29635, 29385..29492, 29438..29635,

29459..29710, 29540..29959, 29547..29921, 29666..29779,
29813..29956, 29972..30031, 29975..30109, 29975..30076

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o3.tm	Method	TBLASTX:Maize
Start	28515	End	30112
GI	none	Score	47

Exons 28515..28607, 28541..28567, 28586..28798, 28595..28825,
28596..28778, 28598..28801, 28607..28789, 28607..28825,
28608..28775, 28680..28838, 28811..28969, 28814..29056,
28817..29056, 28817..29053, 28817..28993, 28818..29054,
28818..29054, 28826..29053, 28826..28936, 28827..29048,
28827..29054, 28898..29221, 28898..29056, 28899..29057,
29054..29209, 29054..29221, 29057..29221, 29057..29155,
29115..29270, 29117..29329, 29117..29569, 29117..29440,
29117..29368, 29117..29374, 29181..29441, 29186..29473,
29186..29503, 29250..29414, 29258..29728, 29318..29782,
29328..29558, 29330..29584, 29331..29639, 29384..29635,
29391..29495, 29459..29731, 29543..29788, 29544..29792,
29546..29635, 29546..29791, 29546..29788, 29613..29783,
29672..29779, 29688..29774, 29757..29921, 29786..29965,
29798..29950, 29801..29965, 29834..29956, 29837..29947,
29972..30076, 29975..30112, 29975..30103, 29975..30103,
29984..30109, 29984..30109

Seq. No.	23788	Seq. ID	OJ991014_11.0111.C10
Gene No.	49532	Strand	-
Start	26903	End	30403
Name	OJ991014_11.0111.C10.o4.tw	Method	TBLASTX:Wheat
Start	28574	End	30313
GI	none	Score	90

Exons 28574..28804, 28580..28789, 28580..28726, 28817..29056,
28817..28936, 28847..29056, 29117..29383, 29129..29440,
29201..29485, 29273..29563, 29345..29635, 29540..29791,
29561..29782, 29801..29956, 29960..30103, 29969..30109,
30074..30313

Seq. No.	23789	Seq. ID	OJ991014_11.0111.C11
Gene No.	49533	Strand	+
Start	413	End	8771
Name	OJ991014_11.0111.C11.o1.gs	Method	GENSCAN
Start	413	End	8771
GI	none	Score	.49

Exons 413..623, 843..1267, 2279..2557, 3168..3285, 3688..4232,
4303..4413, 4925..5401, 5554..5736, 5995..6355, 8755..8771

Seq. No.	23789	Seq. ID	OJ991014_11.0111.C11
Gene No.	49533	Strand	+
Start	413	End	8771
Name	OJ991014_11.0111.C11.o1.np	Method	AAT/NAP
Start	938	End	4280
GI	6016715	Score	578

Exons 938..995, 1050..1245, 2281..2557, 3168..3439, 3506..3710,
3750..3888, 3922..4280

GI Descrip. (AC009325) unknown protein [Arabidopsis thaliana]

Seq. No.	23789	Seq. ID	OJ991014_11.0111.C11
Gene No.	49534	Strand	+
Start	9730	End	10321
Name	OJ991014_11.0111.C11.o3.gp	Method	AAT/GAP
Start	9730	End	10321
GI	2799106	Score	715
Exons	9730..9801, 9837..10321		
GI Descrip.	3402815/emb|AJ007829|CVE7829 1.0e-20 Cloning Vector pGreen		

Seq. No.	23789	Seq. ID	OJ991014_11.0111.C11
Gene No.	49535	Strand	-
Start	8545	End	8705
Name	OJ991014_11.0111.C11.o1.gp	Method	AAT/GAP
Start	8545	End	8705
GI	286806	Score	261
Exons	8545..8705		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	23789	Seq. ID	OJ991014_11.0111.C11
Gene No.	49536	Strand	-
Start	10155	End	13923
Name	OJ991014_11.0111.C11.o2.tc	Method	TBLASTX:Cress
Start	1145	End	3251
GI	none	Score	61
Exons	1145..1252, 2273..2560, 2362..2481, 2367..2546, 3168..3221, 3176..3220, 3221..3250, 3222..3251		

Seq. No.	23789	Seq. ID	OJ991014_11.0111.C11
Gene No.	49536	Strand	-
Start	10155	End	13923
Name	OJ991014_11.0111.C11.o1.ts	Method	TBLASTX:Soybean
Start	2330	End	3257
GI	none	Score	263
Exons	2330..2560, 2362..2481, 2363..2560, 3168..3257, 3176..3256		

Seq. No.	23789	Seq. ID	OJ991014_11.0111.C11
Gene No.	49536	Strand	-
Start	10155	End	13923
Name	OJ991014_11.0111.C11.o3.tm	Method	TBLASTX:Maize
Start	2370	End	3401
GI	none	Score	56
Exons	2370..2432, 2370..2432, 2371..2448, 2372..2437, 2421..2546, 2427..2546, 2432..2560, 2444..2557, 3166..3273, 3167..3298, 3168..3302, 3355..3393, 3360..3401		

Seq. No.	23789	Seq. ID	OJ991014_11.0111.C11
Gene No.	49536	Strand	-
Start	10155	End	13923
Name	OJ991014_11.0111.C11.o2.tm	Method	TBLASTX:Maize
Start	3650	End	4187
GI	none	Score	43
Exons	3650..3682, 3745..3894, 3760..3825, 3824..3895, 3828..3887, 3836..3919, 3837..3920, 3874..3981, 3890..4000, 3893..3991, 3894..4022, 3904..4029, 4002..4061, 4021..4185, 4076..4186, 4098..4187		

Seq. No.	23789	Seq. ID	OJ991014_11.0111.C11
Gene No.	49536	Strand	-
Start	10155	End	13923
Name	OJ991014_11.0111.C11.o4.tc	Method	TBLASTX:Cress
Start	3837	End	4246
GI	none	Score	49
Exons	3837..3914, 4035..4244, 4094..4246		

Seq. No.	23789	Seq. ID	OJ991014_11.0111.C11
Gene No.	49536	Strand	-
Start	10155	End	13923
Name	OJ991014_11.0111.C11.o2.gp	Method	AAT/GAP
Start	9832	End	10321
GI	2799106	Score	716
Exons	9832..10321		
GI Descrip.	3402815/emb|AJ007829|CVE7829 1.0e-20 Cloning Vector pGreen		

Seq. No.	23789	Seq. ID	OJ991014_11.0111.C11
Gene No.	49536	Strand	-
Start	10155	End	13923
Name	OJ991014_11.0111.C11.o2.np	Method	AAT/NAP
Start	10146	End	13923
GI	4220523	Score	850
Exons	10146..10339, 10436..10752, 10838..11115, 12019..12329, 13882..13923		
GI Descrip.	(AL035356) putative alliin lyase [Arabidopsis thaliana]		

Seq. No.	23789	Seq. ID	OJ991014_11.0111.C11
Gene No.	49536	Strand	-
Start	10155	End	13923
Name	OJ991014_11.0111.C11.o1.tm	Method	TBLASTX:Maize
Start	10152	End	12210
GI	none	Score	106
Exons	10152..10337, 10159..10338, 10437..10586, 10438..10584, 10635..10751, 10648..10752, 10668..10760, 10817..11110, 10834..11109, 12070..12210, 12086..12157		

Seq. No.	23789	Seq. ID	OJ991014_11.0111.C11
Gene No.	49536	Strand	-
Start	10155	End	13923
Name	OJ991014_11.0111.C11.o2.gs	Method	GENSCAN
Start	10155	End	13318
GI	none	Score	.87
Exons	10155..10339, 10436..10752, 10838..11071, 11338..11419, 11862..11961, 12019..12325, 12516..12786, 13291..13318		

Seq. No.	23789	Seq. ID	OJ991014_11.0111.C11
Gene No.	49536	Strand	-
Start	10155	End	13923
Name	OJ991014_11.0111.C11.o3.tc	Method	TBLASTX:Cress
Start	10161	End	10731
GI	none	Score	67
Exons	10161..10319, 10437..10586, 10635..10727, 10642..10731		

Seq. No.	23789	Seq. ID	OJ991014_11.0111.C11
Gene No.	49536	Strand	-

Start	10155	End	13923
Name	OJ991014_11.0111.C11.o1.tc	Method	TBLASTX:Cress
Start	10888	End	12324
GI	none	Score	111
Exons	10888..11034, 10898..11029, 11038..11115, 11051..11113, 12019..12282, 12029..12283, 12292..12324		

Seq. No.	23789	Seq. ID	OJ991014_11.0111.C11
Gene No.	49536	Strand	-
Start	10155	End	13923
Name	OJ991014_11.0111.C11.o2.ts	Method	TBLASTX:Soybean
Start	10894	End	11118
GI	none	Score	89
Exons	10894..11034, 10913..11029, 11039..11116, 11044..11118		

Seq. No.	23790	Seq. ID	OJ991014_11.0111.C12
Gene No.	49537	Strand	-
Start	259	End	446
Name	OJ991014_11.0111.C12.o1.gs	Method	GENSCAN
Start	259	End	446
GI	none	Score	.82
Exons	259..337, 416..446		

Seq. No.	23791	Seq. ID	OJ991014_12.0125.C3
Gene No.	49538	Strand	-
Start	1	End	603
Name	OJ991014_12.0125.C3.o1.np	Method	AAT/NAP
Start	1	End	603
GI	2689720	Score	339
Exons	1..103, 188..246, 327..427, 502..603		
GI Descrip.	(AF037168) DnaJ homologue [Arabidopsis thaliana]		

Seq. No.	23791	Seq. ID	OJ991014_12.0125.C3
Gene No.	49538	Strand	-
Start	1	End	603
Name	OJ991014_12.0125.C3.o1.tc	Method	TBLASTX:Cress
Start	2	End	603
GI	none	Score	114
Exons	2..106, 3..104, 182..223, 322..378, 330..377, 365..430, 378..428, 502..603, 515..598		

Seq. No.	23791	Seq. ID	OJ991014_12.0125.C3
Gene No.	49538	Strand	-
Start	1	End	603
Name	OJ991014_12.0125.C3.o1.ts	Method	TBLASTX:Soybean
Start	27	End	603
GI	none	Score	99
Exons	27..152, 29..106, 182..223, 330..377, 365..430, 378..428, 496..591, 500..598, 502..603		

Seq. No.	23791	Seq. ID	OJ991014_12.0125.C3
Gene No.	49538	Strand	-
Start	1	End	603
Name	OJ991014_12.0125.C3.o1.gp	Method	AAT/GAP
Start	60	End	603
GI	2312476	Score	494
Exons	60..103, 188..246, 327..427, 502..603		

GI Descrip. 2689720 6.0e-33 (AF037168) DnaJ homologue [Arabidopsis thaliana]

Seq. No.	23791	Seq. ID	OJ991014_12.0125.C3
Gene No.	49538	Strand	-
Start	1	End	603
Name	OJ991014_12.0125.C3.o1.gs	Method	GENSCAN
Start	188	End	427
GI	none	Score	.45
Exons	188..246, 327..427		

Seq. No.	23791	Seq. ID	OJ991014_12.0125.C3
Gene No.	49538	Strand	-
Start	1	End	603
Name	OJ991014_12.0125.C3.o1.tm	Method	TBLASTX:Maize
Start	225	End	603
GI	none	Score	40
Exons	225..245, 226..249, 325..369, 377..430, 379..429, 379..432, 502..603	327..377, 328..378, 366..428, 498..590, 499..591, 500..601,	

Seq. No.	23792	Seq. ID	OJ991014_12.0125.C6
Gene No.	49539	Strand	+
Start	92	End	757
Name	OJ991014_12.0125.C6.o1.tm	Method	TBLASTX:Maize
Start	85	End	621
GI	none	Score	309
Exons	85..441, 85..276, 90..440, 541..621, 541..621	93..449, 512..589, 512..616,	

Seq. No.	23792	Seq. ID	OJ991014_12.0125.C6
Gene No.	49539	Strand	+
Start	92	End	757
Name	OJ991014_12.0125.C6.o1.gp	Method	AAT/GAP
Start	92	End	189
GI	48689_1.R1084	Score	202
Exons	92..189		
GI Descrip.	'4544453/gb|AAD22361.1|AC006592_18 6.0e-30 (AC006592) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	23792	Seq. ID	OJ991014_12.0125.C6
Gene No.	49539	Strand	+
Start	92	End	757
Name	OJ991014_12.0125.C6.o1.tc	Method	TBLASTX:Cress
Start	92	End	237
GI	none	Score	186
Exons	92..169, 93..236, 175..237		

Seq. No.	23792	Seq. ID	OJ991014_12.0125.C6
Gene No.	49539	Strand	+
Start	92	End	757
Name	OJ991014_12.0125.C6.o1.np	Method	AAT/NAP
Start	92	End	640
GI	4544453	Score	502
Exons	92..448, 541..640		
GI Descrip.	(AC006592) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23792	Seq. ID	OJ991014_12.0125.C6

Gene No.	49539	Strand	+
Start	92	End	757
Name	OJ991014_12.0125.C6.o1.gs	Method	GENSCAN
Start	117	End	448
GI	none	Score	.95
Exons	117..448		

Seq. No.	23792	Seq. ID	OJ991014_12.0125.C6
Gene No.	49539	Strand	+
Start	92	End	757
Name	OJ991014_12.0125.C6.o1.ts	Method	TBLASTX:Soybean
Start	231	End	703
GI	none	Score	205
Exons	231..449, 245..448, 524..703, 541..618		

Seq. No.	23792	Seq. ID	OJ991014_12.0125.C6
Gene No.	49539	Strand	+
Start	92	End	757
Name	OJ991014_12.0125.C6.o2.gp	Method	AAT/GAP
Start	282	End	757
GI	uC-osrocyp011a02a1	Score	740
Exons	282..448, 541..757		
GI Descrip.	'4544453/gb|AAD22361.1|AC006592_18 4.0e-19 (AC006592) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	23793	Seq. ID	OJ991014_12.0125.C10
Gene No.	49540	Strand	-
Start	105	End	350
Name	OJ991014_12.0125.C10.o1.gs	Method	GENSCAN
Start	105	End	350
GI	none	Score	.47
Exons	105..350		

Seq. No.	23794	Seq. ID	OJ991014_12.0125.C12
Gene No.	49541	Strand	-
Start	1	End	571
Name	OJ991014_12.0125.C12.o1.np	Method	AAT/NAP
Start	1	End	571
GI	5441889	Score	669
Exons	1..571		
GI Descrip.	(AP000367) Similar to SEC7 protein, Saccharomyces cerevisiae, PIR2:S49764; Contains Immunoglobulins and major histocompatibility complex proteins signature. (AL022604) [Oryza sativa]		

Seq. No.	23794	Seq. ID	OJ991014_12.0125.C12
Gene No.	49541	Strand	-
Start	1	End	571
Name	OJ991014_12.0125.C12.o1.gs	Method	GENSCAN
Start	157	End	521
GI	none	Score	.85
Exons	157..521		

Seq. No.	23795	Seq. ID	OJ991014_12.0125.C13
Gene No.	49542	Strand	+
Start	1	End	711
Name	OJ991014_12.0125.C13.o1.np	Method	AAT/NAP

Start	1	End	711
GI	1777961	Score	826
Exons	1..711		
GI Descrip.	(U56406) methyljasmonate-inducible lipoxygenase 2 [Hordeum vulgare]		

Seq. No.	23795	Seq. ID	OJ991014_12.0125.C13
Gene No.	49542	Strand	+
Start	1	End	711
Name	OJ991014_12.0125.C13.o1.tc	Method	TBLASTX:Cress
Start	2	End	711
GI	none	Score	115
Exons	2..136, 3..134, 144..470, 145..543, 544..600, 607..711		

Seq. No.	23795	Seq. ID	OJ991014_12.0125.C13
Gene No.	49542	Strand	+
Start	1	End	711
Name	OJ991014_12.0125.C13.o1.tm	Method	TBLASTX:Maize
Start	2	End	711
GI	none	Score	186
Exons	2..136, 3..134, 145..600, 145..600, 606..710, 607..711		

Seq. No.	23795	Seq. ID	OJ991014_12.0125.C13
Gene No.	49542	Strand	+
Start	1	End	711
Name	OJ991014_12.0125.C13.o1.ts	Method	TBLASTX:Soybean
Start	2	End	711
GI	none	Score	120
Exons	2..118, 3..119, 163..525, 165..473, 175..480, 544..600, 552..587, 610..711		

Seq. No.	23795	Seq. ID	OJ991014_12.0125.C13
Gene No.	49542	Strand	+
Start	1	End	711
Name	OJ991014_12.0125.C13.o1.tw	Method	TBLASTX:Wheat
Start	36	End	459
GI	none	Score	80
Exons	36..113, 44..133, 178..459, 181..459		

Seq. No.	23795	Seq. ID	OJ991014_12.0125.C13
Gene No.	49542	Strand	+
Start	1	End	711
Name	OJ991014_12.0125.C13.o1.gs	Method	GENSCAN
Start	117	End	672
GI	none	Score	.51
Exons	117..672		

Seq. No.	23795	Seq. ID	OJ991014_12.0125.C13
Gene No.	49542	Strand	+
Start	1	End	711
Name	OJ991014_12.0125.C13.o1.gp	Method	AAT/GAP
Start	405	End	711
GI	6825_1.R1084	Score	464
Exons	405..711		
GI Descrip.	'1777961 1.0e-62 (U56406) methyljasmonate-inducible lipoxygenase 2 [Hordeum vulgare]'		

Seq. No.	23796	Seq. ID	OJ991014_12.0125.C15
Gene No.	49543	Strand	+
Start	1	End	762
Name	OJ991014_12.0125.C15.o1.gp	Method	AAT/GAP
Start	1	End	762
GI	3279_2.R1084	Score	1464
Exons	1..762		
GI Descrip.	'2689720 6.0e-33 (AF037168) DnaJ homologue [Arabidopsis thaliana]'		

Seq. No.	23796	Seq. ID	OJ991014_12.0125.C15
Gene No.	49543	Strand	+
Start	1	End	762
Name	OJ991014_12.0125.C15.o1.np	Method	AAT/NAP
Start	1	End	430
GI	5031281	Score	409
Exons	1..430		
GI Descrip.	(AF139499) unknown [Prunus armeniaca]		

Seq. No.	23796	Seq. ID	OJ991014_12.0125.C15
Gene No.	49543	Strand	+
Start	1	End	762
Name	OJ991014_12.0125.C15.o1.tm	Method	TBLASTX:Maize
Start	2	End	746
GI	none	Score	158
Exons	2..124, 2..106, 57..122, 159..278, 164..289, 171..275, 179..277, 202..288, 275..406, 277..429, 278..439, 279..440, 443..481, 457..480, 538..582, 538..582, 606..638, 611..637, 635..694, 641..694, 696..746, 709..744		

Seq. No.	23796	Seq. ID	OJ991014_12.0125.C15
Gene No.	49543	Strand	+
Start	1	End	762
Name	OJ991014_12.0125.C15.o1.ts	Method	TBLASTX:Soybean
Start	2	End	440
GI	none	Score	127
Exons	2..91, 3..110, 198..278, 239..280, 245..403, 278..433, 280..435, 280..429, 315..440		

Seq. No.	23796	Seq. ID	OJ991014_12.0125.C15
Gene No.	49543	Strand	+
Start	1	End	762
Name	OJ991014_12.0125.C15.o1.tw	Method	TBLASTX:Wheat
Start	2	End	301
GI	none	Score	159
Exons	2..112, 3..116, 171..230, 202..228, 237..278, 239..277, 277..300, 278..301		

Seq. No.	23796	Seq. ID	OJ991014_12.0125.C15
Gene No.	49543	Strand	+
Start	1	End	762
Name	OJ991014_12.0125.C15.o1.tc	Method	TBLASTX:Cress
Start	3	End	433
GI	none	Score	78
Exons	3..74, 237..278, 239..280, 278..433, 280..429		

Seq. No.	23796	Seq. ID	OJ991014_12.0125.C15

Gene No.	49543	Strand	+
Start	1	End	762
Name	OJ991014_12.0125.C15.o1.gs	Method	GENSCAN
Start	6	End	433
GI	none	Score	.93
Exons	6..230, 266..433		

Seq. No.	23796	Seq. ID	OJ991014_12.0125.C15
Gene No.	49543	Strand	+
Start	1	End	762
Name	OJ991014_12.0125.C15.o2.tw	Method	TBLASTX:Wheat
Start	316	End	650
GI	none	Score	183
Exons	316..429, 317..439, 321..431, 322..441, 603..650, 612..644		

Seq. No.	23797	Seq. ID	OJ991014_12.0125.C16
Gene No.	49544	Strand	-
Start	1	End	178
Name	OJ991014_12.0125.C16.o1.gp	Method	AAT/GAP
Start	1	End	178
GI	33112_1.R1084	Score	349
Exons	1..178		
GI Descrip.	'1363051/pir||A56534 2.0e-23 P58 protein - bovine >gi_468012 (U04631) PKR inhibitor P58 [Bos taurus]'		

Seq. No.	23798	Seq. ID	OJ991014_12.0125.C19
Gene No.	49545	Strand	-
Start	199	End	11656
Name	OJ991014_12.0125.C19.o1.np	Method	AAT/NAP
Start	199	End	3423
GI	6907089	Score	3994
Exons	199..2068, 2162..3423		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	23798	Seq. ID	OJ991014_12.0125.C19
Gene No.	49545	Strand	-
Start	199	End	11656
Name	OJ991014_12.0125.C19.o1.gs	Method	GENSCAN
Start	319	End	3423
GI	none	Score	.71
Exons	319..3423		

Seq. No.	23798	Seq. ID	OJ991014_12.0125.C19
Gene No.	49545	Strand	-
Start	199	End	11656
Name	OJ991014_12.0125.C19.o2.np	Method	AAT/NAP
Start	2663	End	5113
GI	5922623	Score	407
Exons	2663..2693, 4267..4342, 4510..4657, 5033..5113		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	23798	Seq. ID	OJ991014_12.0125.C19
Gene No.	49545	Strand	-
Start	199	End	11656
Name	OJ991014_12.0125.C19.o2.gs	Method	GENSCAN

Start	4026	End	9323
GI	none	Score	.52
Exons	4026..4103, 4526..4657, 5033..5184, 9317..9323		

Seq. No.	23798	Seq. ID	OJ991014_12.0125.C19
Gene No.	49545	Strand	-
Start	199	End	11656
Name	OJ991014_12.0125.C19.o3.np	Method	AAT/NAP
Start	9059	End	11085
GI	5042438	Score	86
Exons	9059..9091, 10765..11085		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	23798	Seq. ID	OJ991014_12.0125.C19
Gene No.	49545	Strand	-
Start	199	End	11656
Name	OJ991014_12.0125.C19.o3.gs	Method	GENSCAN
Start	10611	End	11656
GI	none	Score	.56
Exons	10611..11282, 11324..11656		

Seq. No.	23799	Seq. ID	OJ991014_12.0125.C20
Gene No.	49546	Strand	+
Start	7408	End	8351
Name	OJ991014_12.0125.C20.o1.gp	Method	AAT/GAP
Start	7403	End	7901
GI	21479_1.R1084	Score	705
Exons	7403..7901		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	23799	Seq. ID	OJ991014_12.0125.C20
Gene No.	49546	Strand	+
Start	7408	End	8351
Name	OJ991014_12.0125.C20.o3.gs	Method	GENSCAN
Start	7408	End	8351
GI	none	Score	.75
Exons	7408..7794, 8334..8351		

Seq. No.	23799	Seq. ID	OJ991014_12.0125.C20
Gene No.	49547	Strand	+
Start	9610	End	9951
Name	OJ991014_12.0125.C20.o3.gp	Method	AAT/GAP
Start	9610	End	9951
GI	2312718	Score	635
Exons	9610..9951		
GI Descrip.	4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence		

Seq. No.	23799	Seq. ID	OJ991014_12.0125.C20
Gene No.	49548	Strand	+
Start	19006	End	19095
Name	OJ991014_12.0125.C20.o4.gp	Method	AAT/GAP
Start	19006	End	19095
GI	LIB3431-004-P1-K1-G12	Score	98
Exons	19006..19095		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like		

protein [Sorghum bicolor]'

Seq. No.	23799	Seq. ID	OJ991014_12.0125.C20
Gene No.	49549	Strand	+
Start	36632	End	37324
Name	OJ991014_12.0125.C20.o4.np	Method	AAT/NAP
Start	36632	End	37324
GI	6815097	Score	579
Exons	36632..37324		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	23799	Seq. ID	OJ991014_12.0125.C20
Gene No.	49549	Strand	+
Start	36632	End	37324
Name	OJ991014_12.0125.C20.o3.np	Method	AAT/NAP
Start	36636	End	37324
GI	6815097	Score	575
Exons	36636..37324		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	23799	Seq. ID	OJ991014_12.0125.C20
Gene No.	49550	Strand	-
Start	4075	End	56747
Name	OJ991014_12.0125.C20.o2.gs	Method	GENSCAN
Start	4075	End	6914
GI	none	Score	.89
Exons	4075..4157, 5915..6914		

Seq. No.	23799	Seq. ID	OJ991014_12.0125.C20
Gene No.	49550	Strand	-
Start	4075	End	56747
Name	OJ991014_12.0125.C20.o5.np	Method	AAT/NAP
Start	6673	End	56747
GI	4996363	Score	60
Exons	6673..6848, 49448..49620, 54823..54965, 56704..56747		
GI Descrip.	(AB021264) polyprotein [Arabidopsis thaliana]		

Seq. No.	23799	Seq. ID	OJ991014_12.0125.C20
Gene No.	49550	Strand	-
Start	4075	End	56747
Name	OJ991014_12.0125.C20.o4.gs	Method	GENSCAN
Start	9076	End	19547
GI	none	Score	.44
Exons	9076..9267, 9861..9905, 10349..10634, 10909..11003, 11146..11420, 12919..12983, 14278..14399, 16163..16267, 16379..16771, 16812..17054, 17096..17457, 19229..19334, 19470..19547		

Seq. No.	23799	Seq. ID	OJ991014_12.0125.C20
Gene No.	49550	Strand	-
Start	4075	End	56747
Name	OJ991014_12.0125.C20.o2.gp	Method	AAT/GAP
Start	9093	End	9435
GI	25792_1.R1084	Score	627
Exons	9093..9435		

GI Descrip. '4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'

Seq. No.	23799	Seq. ID	OJ991014_12.0125.C20
Gene No.	49550	Strand	-
Start	4075	End	56747
Name	OJ991014_12.0125.C20.o3.tm	Method	TBLASTX:Maize
Start	12345	End	20485
GI	none	Score	105
Exons	12345..12446, 12347..12436, 12348..12458, 12563..12625, 12563..12625, 12893..12967, 12894..12974, 12906..12965, 20318..20485, 20358..20483		

Seq. No.	23799	Seq. ID	OJ991014_12.0125.C20
Gene No.	49550	Strand	-
Start	4075	End	56747
Name	OJ991014_12.0125.C20.o2.tm	Method	TBLASTX:Maize
Start	15801	End	23822
GI	none	Score	67
Exons	15801..15911, 15986..16060, 16070..16225, 16370..16432, 16445..16618, 16613..16774, 22738..22806, 22804..23127, 22886..23092, 23413..23469, 23482..23646, 23730..23822		

Seq. No.	23799	Seq. ID	OJ991014_12.0125.C20
Gene No.	49550	Strand	-
Start	4075	End	56747
Name	OJ991014_12.0125.C20.o5.gs	Method	GENSCAN
Start	20837	End	24470
GI	none	Score	.75
Exons	20837..20859, 20997..22041, 22723..22911, 23065..23166, 23416..23686, 23764..24470		

Seq. No.	23799	Seq. ID	OJ991014_12.0125.C20
Gene No.	49550	Strand	-
Start	4075	End	56747
Name	OJ991014_12.0125.C20.o2.np	Method	AAT/NAP
Start	22816	End	24205
GI	2792222	Score	433
Exons	22816..23132, 23391..23950, 24121..24205		
GI Descrip.	(AF032689) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	23799	Seq. ID	OJ991014_12.0125.C20
Gene No.	49550	Strand	-
Start	4075	End	56747
Name	OJ991014_12.0125.C20.o1.tm	Method	TBLASTX:Maize
Start	37124	End	37544
GI	none	Score	124
Exons	37124..37219, 37129..37221, 37303..37482, 37335..37502, 37335..37481, 37339..37503, 37521..37544		

Seq. No.	23799	Seq. ID	OJ991014_12.0125.C20
Gene No.	49550	Strand	-
Start	4075	End	56747
Name	OJ991014_12.0125.C20.o8.gs	Method	GENSCAN
Start	46984	End	49759
GI	none	Score	.81
Exons	46984..47045, 47252..47278, 48418..48664, 48689..49759		

Seq. No.	23799	Seq. ID	OJ991014_12.0125.C20
Gene No.	49550	Strand	-
Start	4075	End	56747
Name	OJ991014_12.0125.C20.o9.gs	Method	GENSCAN
Start	52168	End	54695
GI	none	Score	.94
Exons	52168..52253, 53591..54695		

Seq. No.	23800	Seq. ID	OJ991014_12.0125.C21
Gene No.	49551	Strand	+
Start	220	End	5708
Name	OJ991014_12.0125.C21.o1.gs	Method	GENSCAN
Start	220	End	4103
GI	none	Score	.65
Exons	220..336, 531..611, 945..1285, 2657..2705, 2795..2866, 2936..3103, 3486..3534, 4048..4103		

Seq. No.	23800	Seq. ID	OJ991014_12.0125.C21
Gene No.	49551	Strand	+
Start	220	End	5708
Name	OJ991014_12.0125.C21.o1.np	Method	AAT/NAP
Start	436	End	5708
GI	3850575	Score	304
Exons	436..487, 1195..1285, 2657..2714, 2798..3103, 3486..3534, 3847..3947, 5671..5708		
GI Descrip.	(AC005278) F15k9.21 [Arabidopsis thaliana]		

Seq. No.	23800	Seq. ID	OJ991014_12.0125.C21
Gene No.	49552	Strand	+
Start	7791	End	10886
Name	OJ991014_12.0125.C21.o1.gp	Method	AAT/GAP
Start	7791	End	10886
GI	4714282	Score	838
Exons	7791..7928, 8036..8142, 8837..8871, 10709..10886		

Seq. No.	23800	Seq. ID	OJ991014_12.0125.C21
Gene No.	49553	Strand	-
Start	4777	End	8945
Name	OJ991014_12.0125.C21.o2.gs	Method	GENSCAN
Start	4777	End	8945
GI	none	Score	.46
Exons	4777..4844, 4849..5035, 5162..5255, 5836..5953, 6098..6212, 7764..7951, 8098..8233, 8784..8945		

Seq. No.	23800	Seq. ID	OJ991014_12.0125.C21
Gene No.	49554	Strand	-
Start	10709	End	11140
Name	OJ991014_12.0125.C21.o1.tm	Method	TBLASTX:Maize
Start	1169	End	3113
GI	none	Score	146
Exons	1169..1279, 1170..1280, 1227..1280, 1250..1282, 2629..2703, 2656..2709, 2657..2710, 2793..3113, 2795..3103, 2904..3104		

Seq. No.	23800	Seq. ID	OJ991014_12.0125.C21
Gene No.	49554	Strand	-
Start	10709	End	11140

Name	OJ991014_12.0125.C21.o2.gp	Method	AAT/GAP
Start	10709	End	11140
GI	969018	Score	629
Exons	10709..11140		

Seq. No.	23801	Seq. ID	OJ991014_12.0125.C22
Gene No.	49555	Strand	+
Start	1	End	11647
Name	OJ991014_12.0125.C22.o1.np	Method	AAT/NAP
Start	1	End	4591
GI	5733874	Score	995
Exons	1..380, 1820..1917, 2013..2147, 2702..2888, 3473..4591		
GI Descrip.	(AC007932) F11A17.8 [Arabidopsis thaliana]		

Seq. No.	23801	Seq. ID	OJ991014_12.0125.C22
Gene No.	49555	Strand	+
Start	1	End	11647
Name	OJ991014_12.0125.C22.o1.gs	Method	GENSCAN
Start	1820	End	11647
GI	none	Score	.4
Exons	1820..1901, 2090..2147, 2702..2888, 3473..4561, 4932..5010, 5622..6054, 6245..6340, 6590..6686, 8147..8290, 8474..8571, 9410..9596, 10520..11647		

Seq. No.	23801	Seq. ID	OJ991014_12.0125.C22
Gene No.	49555	Strand	+
Start	1	End	11647
Name	OJ991014_12.0125.C22.o2.np	Method	AAT/NAP
Start	5491	End	11629
GI	6686396	Score	1272
Exons	5491..5545, 5737..6054, 8181..8347, 8474..8571, 8668..8802, 9410..9596, 10520..11629		
GI Descrip.	(AC007234) F1E22.10 [Arabidopsis thaliana]		

Seq. No.	23801	Seq. ID	OJ991014_12.0125.C22
Gene No.	49556	Strand	+
Start	13695	End	14121
Name	OJ991014_12.0125.C22.o2.tm	Method	TBLASTX:Maize
Start	1810	End	9572
GI	none	Score	111
Exons	1810..1920, 1820..1918, 2011..2076, 2016..2126, 2699..2842, 2700..2864, 8471..8572, 8473..8574, 8663..8803, 8671..8781, 9407..9550, 9408..9572		

Seq. No.	23801	Seq. ID	OJ991014_12.0125.C22
Gene No.	49556	Strand	+
Start	13695	End	14121
Name	OJ991014_12.0125.C22.o2.ts	Method	TBLASTX:Soybean
Start	1810	End	9508
GI	none	Score	113
Exons	1810..1920, 1811..1921, 1820..1918, 2011..2076, 2016..2138, 2017..2142, 2051..2110, 2684..2800, 2700..2798, 8471..8572, 8482..8574, 8663..8803, 8671..8805, 9407..9508, 9408..9506		

Seq. No.	23801	Seq. ID	OJ991014_12.0125.C22
Gene No.	49556	Strand	+
Start	13695	End	14121

Name	OJ991014_12.0125.C22.o1.tm	Method	TBLASTX:Maize
Start	3467	End	11584
GI	none	Score	58
Exons	3467..3583, 3596..3844, 3667..3837, 3845..3886, 3899..4093, 3928..4080, 4112..4258, 4114..4230, 4187..4564, 4307..4483, 4420..4545, 4527..4571, 10517..10621, 10658..10885, 10810..10884, 10889..10927, 10889..10990, 10939..11124, 10940..11125, 11003..11128, 11153..11305, 11309..11584, 11341..11583		

Seq. No.	23801	Seq. ID	OJ991014_12.0125.C22
Gene No.	49556	Strand	+
Start	13695	End	14121
Name	OJ991014_12.0125.C22.o1.ts	Method	TBLASTX:Soybean
Start	3611	End	11622
GI	none	Score	236
Exons	3611..3886, 3667..3885, 3898..4017, 3899..4093, 4127..4264, 4304..4564, 4306..4581, 10661..10969, 10810..10926, 10939..11124, 10940..11125, 11168..11329, 11332..11622, 11342..11584		

Seq. No.	23801	Seq. ID	OJ991014_12.0125.C22
Gene No.	49556	Strand	+
Start	13695	End	14121
Name	OJ991014_12.0125.C22.o1.tc	Method	TBLASTX:Cress
Start	3734	End	11578
GI	none	Score	253
Exons	3734..4135, 3775..4116, 4112..4225, 4292..4546, 4306..4542, 10775..11188, 10793..10900, 10828..11121, 11003..11125, 11153..11266, 11336..11578, 11347..11574		

Seq. No.	23801	Seq. ID	OJ991014_12.0125.C22
Gene No.	49556	Strand	+
Start	13695	End	14121
Name	OJ991014_12.0125.C22.o1.tw	Method	TBLASTX:Wheat
Start	4187	End	11590
GI	none	Score	215
Exons	4187..4564, 4306..4572, 11195..11305, 11299..11586, 11336..11590, 11347..11589		

Seq. No.	23801	Seq. ID	OJ991014_12.0125.C22
Gene No.	49556	Strand	+
Start	13695	End	14121
Name	OJ991014_12.0125.C22.o3.tm	Method	TBLASTX:Maize
Start	5754	End	6080
GI	none	Score	200
Exons	5754..6080		

Seq. No.	23801	Seq. ID	OJ991014_12.0125.C22
Gene No.	49556	Strand	+
Start	13695	End	14121
Name	OJ991014_12.0125.C22.o3.ts	Method	TBLASTX:Soybean
Start	5775	End	6053
GI	none	Score	196
Exons	5775..6053		

Seq. No.	23801	Seq. ID	OJ991014_12.0125.C22

Gene No.	49556	Strand	+
Start	13695	End	14121
Name	OJ991014_12.0125.C22.o2.tc	Method	TBLASTX:Cress
Start	5787	End	6035
GI	none	Score	187
Exons	5787..6035		

Seq. No.	23801	Seq. ID	OJ991014_12.0125.C22
Gene No.	49556	Strand	+
Start	13695	End	14121
Name	OJ991014_12.0125.C22.o3.gs	Method	GENSCAN
Start	13695	End	14121
GI	none	Score	.92
Exons	13695..13896, 13991..14121		

Seq. No.	23802	Seq. ID	OJ991014_12.0125.C23
Gene No.	49557	Strand	+
Start	1	End	5897
Name	OJ991014_12.0125.C23.o1.np	Method	AAT/NAP
Start	1	End	5897
GI	4206306	Score	803
Exons	1..22, 1683..2654, 2696..3611, 5849..5897		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	23802	Seq. ID	OJ991014_12.0125.C23
Gene No.	49557	Strand	+
Start	1	End	5897
Name	OJ991014_12.0125.C23.o2.np	Method	AAT/NAP
Start	1	End	5347
GI	4115365	Score	366
Exons	1..63, 1238..1352, 1752..2233, 2486..3097, 3160..3238, 3384..3568, 5251..5347		
GI Descrip.	(AC005957) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	23802	Seq. ID	OJ991014_12.0125.C23
Gene No.	49558	Strand	-
Start	4836	End	6090
Name	OJ991014_12.0125.C23.o1.tw	Method	TBLASTX:Wheat
Start	1922	End	2325
GI	none	Score	72
Exons	1922..1978, 1927..1968, 1973..2050, 1981..2085, 2030..2311, 2043..2282, 2044..2325, 2053..2325		

Seq. No.	23802	Seq. ID	OJ991014_12.0125.C23
Gene No.	49558	Strand	-
Start	4836	End	6090
Name	OJ991014_12.0125.C23.o2.tm	Method	TBLASTX:Maize
Start	1976	End	2193
GI	none	Score	112
Exons	1976..2050, 1981..2049, 1985..2050, 2032..2169, 2043..2192, 2044..2193		

Seq. No.	23802	Seq. ID	OJ991014_12.0125.C23
Gene No.	49558	Strand	-
Start	4836	End	6090
Name	OJ991014_12.0125.C23.o1.tm	Method	TBLASTX:Maize

Start	2194	End	2624
GI	none	Score	351
Exons	2194..2466, 2194..2466, 2400..2624, 2438..2611		

Seq. No.	23802	Seq. ID	OJ991014_12.0125.C23
Gene No.	49558	Strand	-
Start	4836	End	6090
Name	OJ991014_12.0125.C23.o3.ts	Method	TBLASTX:Soybean
Start	2341	End	2845
GI	none	Score	110
Exons	2341..2466, 2379..2438, 2400..2621, 2696..2845, 2701..2832		

Seq. No.	23802	Seq. ID	OJ991014_12.0125.C23
Gene No.	49558	Strand	-
Start	4836	End	6090
Name	OJ991014_12.0125.C23.o1.ts	Method	TBLASTX:Soybean
Start	2996	End	3408
GI	none	Score	151
Exons	2996..3133, 2998..3129, 3077..3133, 3154..3408, 3155..3406		

Seq. No.	23802	Seq. ID	OJ991014_12.0125.C23
Gene No.	49558	Strand	-
Start	4836	End	6090
Name	OJ991014_12.0125.C23.o2.tw	Method	TBLASTX:Wheat
Start	3041	End	3439
GI	none	Score	76
Exons	3041..3130, 3170..3439		

Seq. No.	23802	Seq. ID	OJ991014_12.0125.C23
Gene No.	49558	Strand	-
Start	4836	End	6090
Name	OJ991014_12.0125.C23.o3.tw	Method	TBLASTX:Wheat
Start	3925	End	4326
GI	none	Score	200
Exons	3925..4326, 4125..4298		

Seq. No.	23802	Seq. ID	OJ991014_12.0125.C23
Gene No.	49558	Strand	-
Start	4836	End	6090
Name	OJ991014_12.0125.C23.o2.ts	Method	TBLASTX:Soybean
Start	4108	End	4358
GI	none	Score	233
Exons	4108..4353, 4110..4247, 4320..4358		

Seq. No.	23802	Seq. ID	OJ991014_12.0125.C23
Gene No.	49558	Strand	-
Start	4836	End	6090
Name	OJ991014_12.0125.C23.o2.gs	Method	GENSCAN
Start	4836	End	6090
GI	none	Score	.87
Exons	4836..5402, 5481..5591, 5796..6090		

Seq. No.	23803	Seq. ID	OJ991014_12.0125.C24
Gene No.	49559	Strand	-
Start	39	End	1576
Name	OJ991014_12.0125.C24.o1.gs	Method	GENSCAN
Start	39	End	1576

GI	none	Score	.67
Exons	39..1429, 1526..1576		

Seq. No.	23804	Seq. ID	OJ991014_12.0125.C25
Gene No.	49560	Strand	+
Start	156	End	271
Name	OJ991014_12.0125.C25.o1.gs	Method	GENSCAN
Start	156	End	271
GI	none	Score	.54
Exons	156..271		

Seq. No.	23805	Seq. ID	OJ991214_11.0127.C1
Gene No.	49561	Strand	-
Start	4368	End	4933
Name	OJ991214_11.0127.C1.o2.gs	Method	GENSCAN
Start	4368	End	4933
GI	none	Score	.57
Exons	4368..4479, 4564..4638, 4852..4933		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49562	Strand	+
Start	8747	End	10097
Name	OJ991214_11.0127.C2.o2.np	Method	AAT/NAP
Start	8747	End	10097
GI	5734617	Score	140
Exons	8747..8979, 9929..10097		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49563	Strand	+
Start	11816	End	15036
Name	OJ991214_11.0127.C2.o4.np	Method	AAT/NAP
Start	11816	End	15036
GI	4678280	Score	655
Exons	11816..11929, 13936..14125, 14586..15036		
GI Descrip.	(AL049660) zinc finger-like protein [Arabidopsis thaliana]		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49563	Strand	+
Start	11816	End	15036
Name	OJ991214_11.0127.C2.o3.gs	Method	GENSCAN
Start	13436	End	15020
GI	none	Score	.75
Exons	13436..14125, 14526..15020		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49564	Strand	+
Start	21121	End	21423
Name	OJ991214_11.0127.C2.o5.gs	Method	GENSCAN
Start	21121	End	21423
GI	none	Score	.6
Exons	21121..21423		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49565	Strand	+
Start	23102	End	24811
Name	OJ991214_11.0127.C2.o6.gs	Method	GENSCAN

Start	23102	End	24811
GI	none	Score	.62
Exons	23102..23223, 23804..23925, 24738..24811		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49566	Strand	-
Start	5267	End	12354
Name	OJ991214_11.0127.C2.o1.gp	Method	AAT/GAP
Start	5130	End	5531
GI	85449_1.R1084	Score	765
Exons	5130..5531		
GI Descrip.	'773414 2.0e-26 (U23751) beta galactosidase [Cloning vector pBBR1MCS-2] >gi_833819 (U25059) LacZ alpha peptide [Cloning vector pBBR1MCS-3] >gi_833823 (U25060) LacZ alpha peptide [Cloning vector pBBR1MCS-4] >gi_833827 (U25061) LacZ alpha peptide [Cloning vector pBBR1MCS-5]'		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49566	Strand	-
Start	5267	End	12354
Name	OJ991214_11.0127.C2.o1.np	Method	AAT/NAP
Start	5250	End	7302
GI	4678347	Score	779
Exons	5250..5570, 5721..5987, 6071..6279, 6367..6663, 7243..7302		
GI Descrip.	(AL049659) putative protein [Arabidopsis thaliana]		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49566	Strand	-
Start	5267	End	12354
Name	OJ991214_11.0127.C2.o2.gs	Method	GENSCAN
Start	5267	End	12354
GI	none	Score	.76
Exons	5267..5575, 5723..5987, 6071..6282, 6379..6599, 6863..6900, 7072..7219, 11177..11215, 11490..11594, 11756..11928, 12182..12354		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49566	Strand	-
Start	5267	End	12354
Name	OJ991214_11.0127.C2.o3.np	Method	AAT/NAP
Start	6956	End	11454
GI	4539658	Score	91
Exons	6956..7003, 9763..9848, 9889..9955, 11427..11454		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49567	Strand	-
Start	27395	End	28576
Name	OJ991214_11.0127.C2.o7.gs	Method	GENSCAN
Start	27395	End	28576
GI	none	Score	1
Exons	27395..28576		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49567	Strand	-
Start	27395	End	28576

Name	OJ991214_11.0127.C2.o5.np	Method	AAT/NAP
Start	27398	End	28576
GI	6579198	Score	693
Exons	27398..28576		
GI Descrip.	(AC011438) T23G18.14 [Arabidopsis thaliana]		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49568	Strand	-
Start	29648	End	30121
Name	OJ991214_11.0127.C2.o2.tc	Method	TBLASTX:Cress
Start	5285	End	5872
GI	none	Score	169
Exons	5285..5578, 5325..5561, 5747..5872		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49568	Strand	-
Start	29648	End	30121
Name	OJ991214_11.0127.C2.o3.tm	Method	TBLASTX:Maize
Start	5285	End	5573
GI	none	Score	147
Exons	5285..5407, 5285..5572, 5319..5573		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49568	Strand	-
Start	29648	End	30121
Name	OJ991214_11.0127.C2.o6.ts	Method	TBLASTX:Soybean
Start	5291	End	5578
GI	none	Score	135
Exons	5291..5578, 5343..5573		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49568	Strand	-
Start	29648	End	30121
Name	OJ991214_11.0127.C2.o1.tm	Method	TBLASTX:Maize
Start	5804	End	6640
GI	none	Score	35
Exons	5804..5851, 5829..5954, 5835..5990, 5837..5989, 6069..6131, 6070..6246, 6070..6285, 6210..6302, 6377..6517, 6379..6534, 6379..6522, 6586..6636, 6587..6640		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49568	Strand	-
Start	29648	End	30121
Name	OJ991214_11.0127.C2.o4.ts	Method	TBLASTX:Soybean
Start	5828	End	6618
GI	none	Score	41
Exons	5828..5950, 5942..5989, 5943..5990, 6070..6282, 6071..6139, 6206..6241, 6340..6618, 6404..6514		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49568	Strand	-
Start	29648	End	30121
Name	OJ991214_11.0127.C2.o1.tw	Method	TBLASTX:Wheat
Start	5945	End	6519
GI	none	Score	38
Exons	5945..5989, 5945..5989, 6070..6246, 6070..6282, 6209..6283, 6210..6284, 6231..6284, 6378..6512, 6382..6519, 6383..6511		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49568	Strand	-
Start	29648	End	30121
Name	OJ991214_11.0127.C2.o1.tc	Method	TBLASTX:Cress
Start	6070	End	6525
GI	none	Score	49
Exons	6070..6285, 6077..6139, 6203..6241, 6362..6523, 6385..6522, 6406..6525		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49568	Strand	-
Start	29648	End	30121
Name	OJ991214_11.0127.C2.o5.tm	Method	TBLASTX:Maize
Start	14005	End	14732
GI	none	Score	157
Exons	14005..14121, 14009..14128, 14028..14144, 14591..14731, 14595..14732, 14616..14732		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49568	Strand	-
Start	29648	End	30121
Name	OJ991214_11.0127.C2.o1.ts	Method	TBLASTX:Soybean
Start	14027	End	14933
GI	none	Score	142
Exons	14027..14128, 14032..14112, 14591..14932, 14595..14933		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49568	Strand	-
Start	29648	End	30121
Name	OJ991214_11.0127.C2.o3.ts	Method	TBLASTX:Soybean
Start	27404	End	27655
GI	none	Score	166
Exons	27404..27655, 27489..27638, 27566..27643		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49568	Strand	-
Start	29648	End	30121
Name	OJ991214_11.0127.C2.o2.tm	Method	TBLASTX:Maize
Start	27446	End	27827
GI	none	Score	384
Exons	27446..27769, 27489..27770, 27770..27826, 27771..27827		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49568	Strand	-
Start	29648	End	30121
Name	OJ991214_11.0127.C2.o5.ts	Method	TBLASTX:Soybean
Start	27737	End	28003
GI	none	Score	118
Exons	27737..27784, 27788..28003, 27798..27989		

Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49568	Strand	-
Start	29648	End	30121
Name	OJ991214_11.0127.C2.o6.np	Method	AAT/NAP
Start	29648	End	30121
GI	2586082	Score	644

Exons	29648..30121		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49568	Strand	-
Start	29648	End	30121
Name	OJ991214_11.0127.C2.o2.ts	Method	TBLASTX:Soybean
Start	29699	End	30113
GI	none	Score	168
Exons	29699..30070, 29700..30071, 30045..30113, 30073..30102		
Seq. No.	23806	Seq. ID	OJ991214_11.0127.C2
Gene No.	49568	Strand	-
Start	29648	End	30121
Name	OJ991214_11.0127.C2.o4.tm	Method	TBLASTX:Maize
Start	29705	End	30120
GI	none	Score	127
Exons	29705..29992, 29754..29993, 29993..30073, 29999..30076, 30082..30120, 30082..30120		
Seq. No.	23807	Seq. ID	OJ991214_11.0127.C3
Gene No.	49569	Strand	-
Start	1	End	2658
Name	OJ991214_11.0127.C3.o1.np	Method	AAT/NAP
Start	1	End	2658
GI	2586082	Score	2437
Exons	1..2658		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	23807	Seq. ID	OJ991214_11.0127.C3
Gene No.	49569	Strand	-
Start	1	End	2658
Name	OJ991214_11.0127.C3.o2.tw	Method	TBLASTX:Wheat
Start	626	End	1024
GI	none	Score	132
Exons	626..1024, 655..1008		
Seq. No.	23807	Seq. ID	OJ991214_11.0127.C3
Gene No.	49569	Strand	-
Start	1	End	2658
Name	OJ991214_11.0127.C3.o1.tc	Method	TBLASTX:Cress
Start	667	End	1132
GI	none	Score	55
Exons	667..1128, 668..808, 848..1132		
Seq. No.	23807	Seq. ID	OJ991214_11.0127.C3
Gene No.	49569	Strand	-
Start	1	End	2658
Name	OJ991214_11.0127.C3.o1.tm	Method	TBLASTX:Maize
Start	691	End	1015
GI	none	Score	121
Exons	691..1008, 692..1015		
Seq. No.	23807	Seq. ID	OJ991214_11.0127.C3
Gene No.	49569	Strand	-
Start	1	End	2658
Name	OJ991214_11.0127.C3.o1.ts	Method	TBLASTX:Soybean

Start	697	End	1101
GI	none	Score	244
Exons	697..1101		

Seq. No.	23807	Seq. ID	OJ991214_11.0127.C3
Gene No.	49569	Strand	-
Start	1	End	2658
Name	OJ991214_11.0127.C3.o2.ts	Method	TBLASTX:Soybean
Start	1123	End	1536
GI	none	Score	91
Exons	1123..1302, 1318..1449, 1435..1536		

Seq. No.	23807	Seq. ID	OJ991214_11.0127.C3
Gene No.	49569	Strand	-
Start	1	End	2658
Name	OJ991214_11.0127.C3.o2.tc	Method	TBLASTX:Cress
Start	1237	End	1647
GI	none	Score	41
Exons	1237..1314, 1315..1449, 1459..1524, 1594..1647		

Seq. No.	23807	Seq. ID	OJ991214_11.0127.C3
Gene No.	49569	Strand	-
Start	1	End	2658
Name	OJ991214_11.0127.C3.o1.tw	Method	TBLASTX:Wheat
Start	1621	End	2002
GI	none	Score	223
Exons	1621..1986, 1622..2002		

Seq. No.	23807	Seq. ID	OJ991214_11.0127.C3
Gene No.	49569	Strand	-
Start	1	End	2658
Name	OJ991214_11.0127.C3.o2.tm	Method	TBLASTX:Maize
Start	1621	End	1911
GI	none	Score	112
Exons	1621..1911, 1622..1903		

Seq. No.	23807	Seq. ID	OJ991214_11.0127.C3
Gene No.	49569	Strand	-
Start	1	End	2658
Name	OJ991214_11.0127.C3.o3.tw	Method	TBLASTX:Wheat
Start	2275	End	2574
GI	none	Score	69
Exons	2275..2574, 2423..2533		

Seq. No.	23807	Seq. ID	OJ991214_11.0127.C3
Gene No.	49569	Strand	-
Start	1	End	2658
Name	OJ991214_11.0127.C3.o3.tm	Method	TBLASTX:Maize
Start	2395	End	2658
GI	none	Score	79
Exons	2395..2658, 2423..2548		

Seq. No.	23808	Seq. ID	OJ991214_11.0127.C4
Gene No.	49570	Strand	+
Start	80	End	661
Name	OJ991214_11.0127.C4.o1.gs	Method	GENSCAN
Start	80	End	661

GI	none	Score	.49
Exons	80..265, 466..661		

Seq. No.	23808	Seq. ID	OJ991214_11.0127.C4
Gene No.	49571	Strand	+
Start	7092	End	9311
Name	OJ991214_11.0127.C4.o3.gs	Method	GENSCAN
Start	7092	End	8814
GI	none	Score	.68
Exons	7092..7165, 7756..8158, 8740..8814		

Seq. No.	23808	Seq. ID	OJ991214_11.0127.C4
Gene No.	49571	Strand	+
Start	7092	End	9311
Name	OJ991214_11.0127.C4.o3.np	Method	AAT/NAP
Start	8106	End	9311
GI	2239179	Score	163
Exons	8106..8158, 8740..8814, 9093..9171, 9283..9311		
GI Descrip.	(Z97208) hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	23808	Seq. ID	OJ991214_11.0127.C4
Gene No.	49572	Strand	-
Start	1	End	122
Name	OJ991214_11.0127.C4.o1.np	Method	AAT/NAP
Start	1	End	122
GI	2586082	Score	87
Exons	1..122		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	23808	Seq. ID	OJ991214_11.0127.C4
Gene No.	49573	Strand	-
Start	2564	End	5995
Name	OJ991214_11.0127.C4.o2.tm	Method	TBLASTX:Maize
Start	2540	End	2735
GI	none	Score	197
Exons	2540..2734, 2546..2731, 2571..2735		

Seq. No.	23808	Seq. ID	OJ991214_11.0127.C4
Gene No.	49573	Strand	-
Start	2564	End	5995
Name	OJ991214_11.0127.C4.o2.gs	Method	GENSCAN
Start	2564	End	5995
GI	none	Score	.59
Exons	2564..2768, 3449..3582, 4126..4627, 4936..4979, 5080..5214, 5264..5369, 5777..5902, 5907..5995		

Seq. No.	23808	Seq. ID	OJ991214_11.0127.C4
Gene No.	49573	Strand	-
Start	2564	End	5995
Name	OJ991214_11.0127.C4.o2.np	Method	AAT/NAP
Start	2570	End	5318
GI	3860273	Score	826
Exons	2570..2768, 3449..3564, 4126..4645, 4932..4979, 5080..5318		
GI Descrip.	(AC005824) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23808	Seq. ID	OJ991214_11.0127.C4
Gene No.	49573	Strand	-

Start	2564	End	5995
Name	OJ991214_11.0127.C4.o2.ts	Method	TBLASTX:Soybean
Start	2571	End	3565
GI	none	Score	56
Exons	2571..2642, 2573..2767, 2685..2768, 3448..3492, 3482..3565, 3484..3564		

Seq. No.	23808	Seq. ID	OJ991214_11.0127.C4
Gene No.	49573	Strand	-
Start	2564	End	5995
Name	OJ991214_11.0127.C4.o1.tw	Method	TBLASTX:Wheat
Start	2657	End	4282
GI	none	Score	162
Exons	2657..2767, 2658..2768, 2671..2787, 3446..3655, 3448..3564, 4126..4281, 4127..4282		

Seq. No.	23808	Seq. ID	OJ991214_11.0127.C4
Gene No.	49573	Strand	-
Start	2564	End	5995
Name	OJ991214_11.0127.C4.o1.tm	Method	TBLASTX:Maize
Start	4232	End	4596
GI	none	Score	157
Exons	4232..4393, 4234..4413, 4235..4393, 4404..4592, 4404..4595, 4405..4593, 4405..4596		

Seq. No.	23808	Seq. ID	OJ991214_11.0127.C4
Gene No.	49573	Strand	-
Start	2564	End	5995
Name	OJ991214_11.0127.C4.o1.ts	Method	TBLASTX:Soybean
Start	4282	End	4638
GI	none	Score	116
Exons	4282..4338, 4384..4629, 4475..4630, 4477..4638		

Seq. No.	23808	Seq. ID	OJ991214_11.0127.C4
Gene No.	49573	Strand	-
Start	2564	End	5995
Name	OJ991214_11.0127.C4.o3.tm	Method	TBLASTX:Maize
Start	4867	End	5128
GI	none	Score	165
Exons	4867..4992, 4872..4979, 4874..4993, 5080..5124, 5084..5122, 5084..5128		

Seq. No.	23809	Seq. ID	OJ991214_11.0127.C5
Gene No.	49574	Strand	+
Start	11045	End	18612
Name	OJ991214_11.0127.C5.o2.gs	Method	GENSCAN
Start	11045	End	18612
GI	none	Score	.59
Exons	11045..11113, 11333..11489, 11669..11788, 12733..12795, 13346..13502, 15482..15530, 16220..16297, 16551..16629, 16710..16914, 17035..17131, 18514..18612		

Seq. No.	23809	Seq. ID	OJ991214_11.0127.C5
Gene No.	49575	Strand	+
Start	19416	End	23611
Name	OJ991214_11.0127.C5.o2.np	Method	AAT/NAP
Start	19416	End	21600

GI	6523083	Score	981
Exons	19416..19547, 20227..21600		
GI Descrip.	(AL133315) cytochrome P450-like protein [Arabidopsis thaliana]		

Seq. No.	23809	Seq. ID	OJ991214_11.0127.C5
Gene No.	49575	Strand	+
Start	19416	End	23611
Name	OJ991214_11.0127.C5.o3.gs	Method	GENSCAN
Start	20041	End	23446
GI	none	Score	.85
Exons	20041..21561, 21694..21739, 22554..22684, 23083..23104, 23202..23446		

Seq. No.	23809	Seq. ID	OJ991214_11.0127.C5
Gene No.	49575	Strand	+
Start	19416	End	23611
Name	OJ991214_11.0127.C5.o3.np	Method	AAT/NAP
Start	20556	End	23611
GI	3608155	Score	143
Exons	20556..20604, 23218..23438, 23484..23611		
GI Descrip.	(AC005314) putative pre-mRNA splicing factor RNA helicase [Arabidopsis thaliana]		

Seq. No.	23809	Seq. ID	OJ991214_11.0127.C5
Gene No.	49576	Strand	-
Start	3535	End	10464
Name	OJ991214_11.0127.C5.o1.np	Method	AAT/NAP
Start	3535	End	10464
GI	5042454	Score	259
Exons	3535..3588, 3842..4025, 10433..10464		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	23809	Seq. ID	OJ991214_11.0127.C5
Gene No.	49577	Strand	
Start	11372	End	21561
Name	OJ991214_11.0127.C5.o2.tw	Method	TBLASTX:Wheat
Start	11372	End	20892
GI	none	Score	57
Exons	11372..11425, 20595..20795, 20595..20891, 20599..20892		

Seq. No.	23809	Seq. ID	OJ991214_11.0127.C5
Gene No.	49577	Strand	
Start	11372	End	21561
Name	OJ991214_11.0127.C5.o1.ts	Method	TBLASTX:Soybean
Start	20159	End	21561
GI	none	Score	36
Exons	20159..20182, 20194..20589, 20194..20466, 20247..20567, 20604..20822, 20605..20892, 20860..21099, 20886..21098, 21118..21486, 21120..21485, 21493..21561, 21513..21560		

Seq. No.	23809	Seq. ID	OJ991214_11.0127.C5
Gene No.	49577	Strand	
Start	11372	End	21561
Name	OJ991214_11.0127.C5.o3.tc	Method	TBLASTX:Cress
Start	20332	End	20688
GI	none	Score	156
Exons	20332..20475, 20343..20480, 20596..20688		

Seq. No.	23809	Seq. ID	OJ991214_11.0127.C5
Gene No.	49577	Strand	
Start	11372	End	21561
Name	OJ991214_11.0127.C5.o3.tm	Method	TBLASTX:Maize
Start	20603	End	20868
GI	none	Score	63
Exons	20603..20647, 20604..20810, 20604..20819, 20605..20868, 20779..20859		

Seq. No.	23809	Seq. ID	OJ991214_11.0127.C5
Gene No.	49577	Strand	
Start	11372	End	21561
Name	OJ991214_11.0127.C5.o2.tc	Method	TBLASTX:Cress
Start	20689	End	21098
GI	none	Score	206
Exons	20689..20913, 20700..20822, 20893..21078, 20961..21098		

Seq. No.	23809	Seq. ID	OJ991214_11.0127.C5
Gene No.	49577	Strand	
Start	11372	End	21561
Name	OJ991214_11.0127.C5.o1.tm	Method	TBLASTX:Maize
Start	20871	End	21300
GI	none	Score	46
Exons	20871..20933, 20872..21102, 20874..21098, 21044..21118, 21111..21299, 21112..21300		

Seq. No.	23809	Seq. ID	OJ991214_11.0127.C5
Gene No.	49577	Strand	
Start	11372	End	21561
Name	OJ991214_11.0127.C5.o1.tc	Method	TBLASTX:Cress
Start	21118	End	21489
GI	none	Score	346
Exons	21118..21489, 21129..21476		

Seq. No.	23809	Seq. ID	OJ991214_11.0127.C5
Gene No.	49577	Strand	
Start	11372	End	21561
Name	OJ991214_11.0127.C5.o1.tw	Method	TBLASTX:Wheat
Start	21153	End	21504
GI	none	Score	552
Exons	21153..21503, 21154..21504		

Seq. No.	23809	Seq. ID	OJ991214_11.0127.C5
Gene No.	49577	Strand	
Start	11372	End	21561
Name	OJ991214_11.0127.C5.o2.tm	Method	TBLASTX:Maize
Start	21316	End	21537
GI	none	Score	363
Exons	21316..21537, 21318..21536		

Seq. No.	23809	Seq. ID	OJ991214_11.0127.C5
Gene No.	49578	Strand	
Start	23222	End	23440
Name	OJ991214_11.0127.C5.o4.tm	Method	TBLASTX:Maize
Start	23222	End	23440
GI	none	Score	181

Exons	23222..23344, 23230..23343, 23356..23439, 23357..23440		
Seq. No.	23809	Seq. ID	OJ991214_11.0127.C5
Gene No.	49578	Strand	
Start	23222	End	23440
Name	OJ991214_11.0127.C5.o4.tc	Method	TBLASTX:Cress
Start	23224	End	23440
GI	none	Score	138
Exons	23224..23346, 23225..23347, 23356..23439, 23357..23440		
Seq. No.	23810	Seq. ID	OJ991214_11.0127.C6
Gene No.	49579	Strand	+
Start	191	End	5357
Name	OJ991214_11.0127.C6.o1.gs	Method	GENSCAN
Start	191	End	5357
GI	none	Score	.43
Exons	191..246, 289..554, 838..1017, 1668..1844, 1927..1990, 2313..2401, 2430..2541, 2590..2661, 3043..3111, 5021..5261, 5280..5357		
Seq. No.	23810	Seq. ID	OJ991214_11.0127.C6
Gene No.	49580	Strand	+
Start	8698	End	8927
Name	OJ991214_11.0127.C6.o1.gp	Method	AAT/GAP
Start	8698	End	8927
GI	none	Score	360
Exons	8698..8927		
Seq. No.	23810	Seq. ID	OJ991214_11.0127.C6
Gene No.	49581	Strand	+
Start	10261	End	14959
Name	OJ991214_11.0127.C6.o1.np	Method	AAT/NAP
Start	10261	End	14959
GI	3063659	Score	73
Exons	10261..10423, 11258..11356, 14895..14959		
GI Descrip.	(AF058287) high mobility group protein I-C [Gallus gallus]		
Seq. No.	23810	Seq. ID	OJ991214_11.0127.C6
Gene No.	49582	Strand	+
Start	23496	End	29699
Name	OJ991214_11.0127.C6.o2.gp	Method	AAT/GAP
Start	23496	End	25957
GI	102_6.R1084	Score	1663
Exons	23496..23641, 24203..24340, 24420..24607, 25550..25957		
GI Descrip.	'2911068/emb|CAA17530.1| 1.0e-78 (AL021960) G10-like protein [Arabidopsis thaliana]'		
Seq. No.	23810	Seq. ID	OJ991214_11.0127.C6
Gene No.	49582	Strand	+
Start	23496	End	29699
Name	OJ991214_11.0127.C6.o4.gs	Method	GENSCAN
Start	24247	End	29292
GI	none	Score	.62
Exons	24247..24340, 24420..24607, 25550..25654, 26514..26682, 26691..26854, 26940..27373, 27459..27738, 28137..29292		
Seq. No.	23810	Seq. ID	OJ991214_11.0127.C6

Gene No.	49582	Strand	+
Start	23496	End	29699
Name	OJ991214_11.0127.C6.o4.np	Method	AAT/NAP
Start	24247	End	29699
GI	5852181	Score	3467
Exons	24247..24340, 24420..24607, 25550..25654, 26514..26664, 26691..26854, 26940..27242, 27321..27373, 27519..27738, 28137..29106, 29673..29699		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	23810	Seq. ID	OJ991214_11.0127.C6
Gene No.	49582	Strand	+
Start	23496	End	29699
Name	OJ991214_11.0127.C6.o3.gp	Method	AAT/GAP
Start	29021	End	29354
GI	701114	Score	653
Exons	29021..29354		
GI Descrip.	5852170/emb|AL117265.1|OST17804 2.0e-27 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	23810	Seq. ID	OJ991214_11.0127.C6
Gene No.	49583	Strand	-
Start	15900	End	23610
Name	OJ991214_11.0127.C6.o3.np	Method	AAT/NAP
Start	15834	End	18719
GI	5830509	Score	247
Exons	15834..15879, 16802..16864, 16996..17099, 17669..17785, 17874..18037, 18152..18409, 18570..18719		
GI Descrip.	(AL110506) WD repeat protein [Schizosaccharomyces pombe]		

Seq. No.	23810	Seq. ID	OJ991214_11.0127.C6
Gene No.	49583	Strand	-
Start	15900	End	23610
Name	OJ991214_11.0127.C6.o3.gs	Method	GENSCAN
Start	15900	End	23610
GI	none	Score	.7
Exons	15900..15978, 17164..17233, 17878..18037, 18152..18409, 18570..18834, 22088..22242, 23305..23419, 23492..23610		

Seq. No.	23810	Seq. ID	OJ991214_11.0127.C6
Gene No.	49583	Strand	-
Start	15900	End	23610
Name	OJ991214_11.0127.C6.o2.np	Method	AAT/NAP
Start	16179	End	17086
GI	6693030	Score	382
Exons	16179..16218, 16388..16461, 16544..16864, 16996..17086		
GI Descrip.	(AC012375) T22C5.29 [Arabidopsis thaliana]		

Seq. No.	23810	Seq. ID	OJ991214_11.0127.C6
Gene No.	49583	Strand	-
Start	15900	End	23610
Name	OJ991214_11.0127.C6.o2.ts	Method	TBLASTX:Soybean
Start	16562	End	17074
GI	none	Score	55
Exons	16562..16633, 16566..16646, 16710..16880, 16722..16844, 16723..16866, 16989..17069, 16994..17074		

Seq. No.	23810	Seq. ID	OJ991214_11.0127.C6
Gene No.	49583	Strand	-
Start	15900	End	23610
Name	OJ991214_11.0127.C6.o2.tm	Method	TBLASTX:Maize
Start	16786	End	17821
GI	none	Score	84
Exons	16786..16875, 16788..16880, 16799..16888, 16992..17177, 16996..17187, 16997..17188, 16998..17189, 17636..17818, 17638..17790, 17657..17821		

Seq. No.	23810	Seq. ID	OJ991214_11.0127.C6
Gene No.	49584	Strand	
Start	24232	End	25778
Name	OJ991214_11.0127.C6.o1.tm	Method	TBLASTX:Maize
Start	24232	End	25705
GI	none	Score	167
Exons	24232..24339, 24232..24351, 24415..24606, 24419..24631, 24422..24613, 25540..25701, 25547..25705, 25547..25702		

Seq. No.	23810	Seq. ID	OJ991214_11.0127.C6
Gene No.	49584	Strand	
Start	24232	End	25778
Name	OJ991214_11.0127.C6.o1.tc	Method	TBLASTX:Cress
Start	24241	End	25705
GI	none	Score	154
Exons	24241..24348, 24243..24347, 24415..24519, 24419..24517, 24516..24605, 24521..24631, 24522..24605, 24523..24606, 25552..25701, 25553..25705		

Seq. No.	23810	Seq. ID	OJ991214_11.0127.C6
Gene No.	49584	Strand	
Start	24232	End	25778
Name	OJ991214_11.0127.C6.o1.ts	Method	TBLASTX:Soybean
Start	24243	End	25707
GI	none	Score	144
Exons	24243..24338, 24247..24339, 24247..24342, 24415..24606, 24419..24631, 24425..24613, 25540..25707, 25547..25705		

Seq. No.	23810	Seq. ID	OJ991214_11.0127.C6
Gene No.	49584	Strand	
Start	24232	End	25778
Name	OJ991214_11.0127.C6.o1.tw	Method	TBLASTX:Wheat
Start	24439	End	25778
GI	none	Score	307
Exons	24439..24606, 24440..24631, 25539..25706, 25540..25698, 25540..25710, 25547..25705, 25734..25778		

Seq. No.	23810	Seq. ID	OJ991214_11.0127.C6
Gene No.	49585	Strand	
Start	28497	End	28799
Name	OJ991214_11.0127.C6.o3.tm	Method	TBLASTX:Maize
Start	28497	End	28799
GI	none	Score	96
Exons	28497..28619, 28502..28531, 28538..28621, 28586..28738, 28627..28740, 28629..28799, 28629..28745		

Seq. No.	23811	Seq. ID	OJ991214_11.0127.C7

Gene No.	49586	Strand	+
Start	885	End	1352
Name	OJ991214_11.0127.C7.o1.gp	Method	AAT/GAP
Start	885	End	1352
GI	uC-osflcyp132f03a1	Score	908
Exons	885..1352		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 2.0e-27 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	23811	Seq. ID	OJ991214_11.0127.C7
Gene No.	49587	Strand	-
Start	222	End	5807
Name	OJ991214_11.0127.C7.o1.gs	Method	GENSCAN
Start	222	End	5807
GI	none	Score	.92
Exons	222..348, 1307..1503, 2280..2566, 2673..2907, 3205..3492, 3598..3648, 3740..3875, 4686..4786, 5173..5270, 5354..5807		

Seq. No.	23811	Seq. ID	OJ991214_11.0127.C7
Gene No.	49587	Strand	-
Start	222	End	5807
Name	OJ991214_11.0127.C7.o1.np	Method	AAT/NAP
Start	1285	End	5804
GI	3860251	Score	1950
Exons	1285..1535, 2280..2566, 2673..2907, 3205..3492, 3598..3648, 3740..3875, 4686..4789, 4915..5085, 5173..5804		
GI Descrip.	(AC005824) putative membrane transporter [Arabidopsis thaliana]		

Seq. No.	23811	Seq. ID	OJ991214_11.0127.C7
Gene No.	49588	Strand	-
Start	7307	End	7754
Name	OJ991214_11.0127.C7.o3.tm	Method	TBLASTX:Maize
Start	1282	End	1509
GI	none	Score	44
Exons	1282..1311, 1289..1312, 1321..1509, 1394..1504		

Seq. No.	23811	Seq. ID	OJ991214_11.0127.C7
Gene No.	49588	Strand	-
Start	7307	End	7754
Name	OJ991214_11.0127.C7.o1.tm	Method	TBLASTX:Maize
Start	2304	End	2932
GI	none	Score	47
Exons	2304..2366, 2358..2420, 2374..2415, 2419..2568, 2421..2567, 2668..2907, 2669..2932		

Seq. No.	23811	Seq. ID	OJ991214_11.0127.C7
Gene No.	49588	Strand	-
Start	7307	End	7754
Name	OJ991214_11.0127.C7.o1.ts	Method	TBLASTX:Soybean
Start	2358	End	3648
GI	none	Score	65
Exons	2358..2573, 2370..2507, 2374..2571, 2668..2907, 2669..2932, 2702..2908, 3194..3493, 3235..3474, 3577..3648		

Seq. No.	23811	Seq. ID	OJ991214_11.0127.C7
Gene No.	49588	Strand	-
Start	7307	End	7754

Name	OJ991214_11.0127.C7.o2.tm	Method	TBLASTX:Maize
Start	3238	End	5061
GI	none	Score	150
Exons	3238..3474, 3248..3493, 3574..3648, 3589..3654, 3740..3886, 3780..3881, 4683..4781, 4685..4804, 4915..5034, 4934..5035, 5035..5061		

Seq. No.	23811	Seq. ID	OJ991214_11.0127.C7
Gene No.	49588	Strand	-
Start	7307	End	7754
Name	OJ991214_11.0127.C7.o2.ts	Method	TBLASTX:Soybean
Start	4963	End	5271
GI	none	Score	87
Exons	4963..5082, 4964..5071, 5155..5271, 5180..5254		

Seq. No.	23811	Seq. ID	OJ991214_11.0127.C7
Gene No.	49588	Strand	-
Start	7307	End	7754
Name	OJ991214_11.0127.C7.o2.gs	Method	GENSCAN
Start	7307	End	7754
GI	none	Score	.49
Exons	7307..7463, 7630..7754		

Seq. No.	23812	Seq. ID	OJ991214_11.0127.C8
Gene No.	49589	Strand	+
Start	2776	End	2856
Name	OJ991214_11.0127.C8.o1.np	Method	AAT/NAP
Start	2776	End	2856
GI	6630699	Score	95
Exons	2776..2856		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	23812	Seq. ID	OJ991214_11.0127.C8
Gene No.	49590	Strand	+
Start	7077	End	13056
Name	OJ991214_11.0127.C8.o2.gp	Method	AAT/GAP
Start	6877	End	9728
GI	60013_1.R1084	Score	829
Exons	6877..7185, 9578..9728		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 8.0e-61 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	23812	Seq. ID	OJ991214_11.0127.C8
Gene No.	49590	Strand	+
Start	7077	End	13056
Name	OJ991214_11.0127.C8.o2.gs	Method	GENSCAN
Start	7077	End	13056
GI	none	Score	.58
Exons	7077..7185, 9578..9808, 10344..10451, 10787..10882, 11808..12134, 12308..13056		

Seq. No.	23812	Seq. ID	OJ991214_11.0127.C8
Gene No.	49590	Strand	+
Start	7077	End	13056
Name	OJ991214_11.0127.C8.o2.np	Method	AAT/NAP

Start	7100	End	13053
GI	6579208	Score	1253
Exons	7100..7185, 9665..9808, 11808..11905, 12018..12219, 12323..13053		
GI Descrip.	(AC011438) T23G18.9 [Arabidopsis thaliana]		

Seq. No.	23812	Seq. ID	OJ991214_11.0127.C8
Gene No.	49591	Strand	+
Start	13543	End	19269
Name	OJ991214_11.0127.C8.o3.gs	Method	GENSCAN
Start	13543	End	19269
GI	none	Score	.56
Exons	13543..13856, 13954..13996, 14425..14547, 14909..14987, 15127..15264, 15508..15605, 15930..16020, 16339..16409, 16749..16874, 18360..18544, 18990..19126, 19223..19269		

Seq. No.	23812	Seq. ID	OJ991214_11.0127.C8
Gene No.	49591	Strand	+
Start	13543	End	19269
Name	OJ991214_11.0127.C8.o3.np	Method	AAT/NAP
Start	13579	End	16913
GI	1170639	Score	240
Exons	13579..13899, 14425..14547, 14714..14821, 14906..14987, 15157..15264, 15508..15605, 15930..16020, 16130..16265, 16703..16913		
GI Descrip.	3-DEOXY-D-MANNO-OCTULOSONIC-ACID TRANSFERASE (KDO TRANSFERASE) gi|1073787|pir||F64084 3-deoxy-d-manno-octulosonic-acid transferase (kdtA) homolog - Haemophilus influenzae (strain Rd KW20) gi|1573651 (U32748) 3-deoxy-d-manno-octulosonic-acid transferase (kdtA) [Haemophilus influenzae Rd]		

Seq. No.	23812	Seq. ID	OJ991214_11.0127.C8
Gene No.	49592	Strand	-
Start	12646	End	13213
Name	OJ991214_11.0127.C8.o1.tc	Method	TBLASTX:Cress
Start	9556	End	9807
GI	none	Score	312
Exons	9556..9807, 9567..9794		

Seq. No.	23812	Seq. ID	OJ991214_11.0127.C8
Gene No.	49592	Strand	-
Start	12646	End	13213
Name	OJ991214_11.0127.C8.o1.ts	Method	TBLASTX:Soybean
Start	9556	End	12615
GI	none	Score	357
Exons	9556..9810, 9567..9809, 11806..11928, 11807..11905, 12012..12206, 12017..12205, 12307..12351, 12364..12615, 12364..12591, 12366..12605		

Seq. No.	23812	Seq. ID	OJ991214_11.0127.C8
Gene No.	49592	Strand	-
Start	12646	End	13213
Name	OJ991214_11.0127.C8.o3.tc	Method	TBLASTX:Cress
Start	11810	End	12413
GI	none	Score	117
Exons	11810..11929, 12012..12224, 12017..12229, 12307..12351, 12321..12353, 12367..12411, 12369..12413		

Seq. No.	23812	Seq. ID	OJ991214_11.0127.C8
Gene No.	49592	Strand	-
Start	12646	End	13213
Name	OJ991214_11.0127.C8.o2.tm	Method	TBLASTX:Maize
Start	12322	End	12900
GI	none	Score	168
Exons	12322..12585, 12613..12900		

Seq. No.	23812	Seq. ID	OJ991214_11.0127.C8
Gene No.	49592	Strand	-
Start	12646	End	13213
Name	OJ991214_11.0127.C8.o3.gp	Method	AAT/GAP
Start	12646	End	13213
GI	35111_1.R1084	Score	1060
Exons	12646..13213		
GI Descrip.	'3021344/emb|CAA06244| 1.0e-12 (AJ004959) hypothetical protein [Cicer arietinum]'		

Seq. No.	23812	Seq. ID	OJ991214_11.0127.C8
Gene No.	49592	Strand	-
Start	12646	End	13213
Name	OJ991214_11.0127.C8.o2.ts	Method	TBLASTX:Soybean
Start	12664	End	13071
GI	none	Score	424
Exons	12664..13071, 12666..13055		

Seq. No.	23812	Seq. ID	OJ991214_11.0127.C8
Gene No.	49592	Strand	-
Start	12646	End	13213
Name	OJ991214_11.0127.C8.o2.tc	Method	TBLASTX:Cress
Start	12697	End	13050
GI	none	Score	273
Exons	12697..13050, 12759..12923		

Seq. No.	23812	Seq. ID	OJ991214_11.0127.C8
Gene No.	49593	Strand	
Start	15926	End	16394
Name	OJ991214_11.0127.C8.o1.tm	Method	TBLASTX:Maize
Start	15926	End	16394
GI	none	Score	86
Exons	15926..16021, 15933..16055, 15935..16015, 15955..16020, 16100..16213, 16108..16251, 16110..16259, 16113..16250, 16329..16394, 16337..16393		

Seq. No.	23813	Seq. ID	OJ991214_11.0127.C9
Gene No.	49594	Strand	+
Start	544	End	1633
Name	OJ991214_11.0127.C9.o1.np	Method	AAT/NAP
Start	544	End	1627
GI	3242704	Score	525
Exons	544..749, 832..865, 1143..1627		
GI Descrip.	(AC003040) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23813	Seq. ID	OJ991214_11.0127.C9
Gene No.	49594	Strand	+
Start	544	End	1633
Name	OJ991214_11.0127.C9.o1.gs	Method	GENSCAN

Start	585	End	1633
GI	none	Score	.86
Exons	585..749, 832..899, 1180..1633		

Seq. No.	23813	Seq. ID	OJ991214_11.0127.C9
Gene No.	49595	Strand	-
Start	1741	End	2141
Name	OJ991214_11.0127.C9.o1.tc	Method	TBLASTX:Cress
Start	525	End	752
GI	none	Score	187
Exons	525..752, 554..622, 677..736		

Seq. No.	23813	Seq. ID	OJ991214_11.0127.C9
Gene No.	49595	Strand	-
Start	1741	End	2141
Name	OJ991214_11.0127.C9.o1.tm	Method	TBLASTX:Maize
Start	525	End	1661
GI	none	Score	267
Exons	525..749, 548..622, 671..748, 677..751, 1178..1438, 1189..1362, 1244..1426, 1421..1627, 1430..1630, 1504..1629, 1548..1661		

Seq. No.	23813	Seq. ID	OJ991214_11.0127.C9
Gene No.	49595	Strand	-
Start	1741	End	2141
Name	OJ991214_11.0127.C9.o1.ts	Method	TBLASTX:Soybean
Start	534	End	873
GI	none	Score	249
Exons	534..752, 551..751, 829..873, 829..864		

Seq. No.	23813	Seq. ID	OJ991214_11.0127.C9
Gene No.	49595	Strand	-
Start	1741	End	2141
Name	OJ991214_11.0127.C9.o2.ts	Method	TBLASTX:Soybean
Start	1181	End	1632
GI	none	Score	54
Exons	1181..1219, 1216..1359, 1217..1447, 1412..1624, 1441..1632		

Seq. No.	23813	Seq. ID	OJ991214_11.0127.C9
Gene No.	49595	Strand	-
Start	1741	End	2141
Name	OJ991214_11.0127.C9.o1.gp	Method	AAT/GAP
Start	1741	End	2141
GI	none	Score	798
Exons	1741..2141		

Seq. No.	23814	Seq. ID	OJ991214_11.0127.C10
Gene No.	49596	Strand	+
Start	10	End	4893
Name	OJ991214_11.0127.C10.o1.np	Method	AAT/NAP
Start	10	End	4893
GI	6759450	Score	1283
Exons	10..286, 604..1074, 1786..1996, 2553..2713, 2788..2858, 2952..3057, 3134..3329, 3482..3903, 3978..4076, 4159..4212, 4481..4577, 4730..4893		
GI Descrip.	(AL137189) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23814	Seq. ID	OJ991214_11.0127.C10

Gene No.	49596	Strand	+
Start	10	End	4893
Name	OJ991214_11.0127.C10.o1.gs	Method	GENSCAN
Start	29	End	4864
GI	none	Score	.89
Exons	29..286, 604..1074, 1786..1996, 2553..2710, 2788..2858, 2952..3057, 3134..3223, 3290..3320, 3946..4076, 4481..4577, 4730..4864		

Seq. No.	23814	Seq. ID	OJ991214_11.0127.C10
Gene No.	49596	Strand	+
Start	10	End	4893
Name	OJ991214_11.0127.C10.o1.tm	Method	TBLASTX:Maize
Start	2553	End	2992
GI	none	Score	234
Exons	2553..2705, 2555..2713, 2558..2725, 2711..2848, 2762..2857, 2787..2861, 2788..2859, 2946..2984, 2948..2989, 2950..2991, 2951..2992		

Seq. No.	23814	Seq. ID	OJ991214_11.0127.C10
Gene No.	49596	Strand	+
Start	10	End	4893
Name	OJ991214_11.0127.C10.o1.gp	Method	AAT/GAP
Start	3944	End	4888
GI	2800109	Score	642
Exons	3944..4076, 4159..4212, 4481..4577, 4730..4814, 4846..4888		

Seq. No.	23815	Seq. ID	OJ991214_11.0127.C11
Gene No.	49597	Strand	-
Start	1	End	636
Name	OJ991214_11.0127.C11.o1.np	Method	AAT/NAP
Start	1	End	636
GI	2586082	Score	870
Exons	1..636		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	23815	Seq. ID	OJ991214_11.0127.C11
Gene No.	49597	Strand	-
Start	1	End	636
Name	OJ991214_11.0127.C11.o1.tw	Method	TBLASTX:Wheat
Start	2	End	268
GI	none	Score	105
Exons	2..268, 3..248, 122..265		

Seq. No.	23815	Seq. ID	OJ991214_11.0127.C11
Gene No.	49597	Strand	-
Start	1	End	636
Name	OJ991214_11.0127.C11.o2.ts	Method	TBLASTX:Soybean
Start	17	End	301
GI	none	Score	74
Exons	17..118, 101..301, 102..251		

Seq. No.	23815	Seq. ID	OJ991214_11.0127.C11
Gene No.	49597	Strand	-
Start	1	End	636
Name	OJ991214_11.0127.C11.o2.tm	Method	TBLASTX:Maize
Start	18	End	208

GI	none	Score	106
Exons	18..206, 20..208		

Seq. No.	23815	Seq. ID	OJ991214_11.0127.C11
Gene No.	49597	Strand	-
Start	1	End	636
Name	OJ991214_11.0127.C11.o1.tc	Method	TBLASTX:Cress
Start	140	End	385
GI	none	Score	197
Exons	140..385		

Seq. No.	23815	Seq. ID	OJ991214_11.0127.C11
Gene No.	49597	Strand	-
Start	1	End	636
Name	OJ991214_11.0127.C11.o1.tm	Method	TBLASTX:Maize
Start	209	End	635
GI	none	Score	106
Exons	209..634, 393..635		

Seq. No.	23815	Seq. ID	OJ991214_11.0127.C11
Gene No.	49597	Strand	-
Start	1	End	636
Name	OJ991214_11.0127.C11.o2.tw	Method	TBLASTX:Wheat
Start	269	End	635
GI	none	Score	93
Exons	269..445, 437..628, 438..635		

Seq. No.	23815	Seq. ID	OJ991214_11.0127.C11
Gene No.	49597	Strand	-
Start	1	End	636
Name	OJ991214_11.0127.C11.o1.ts	Method	TBLASTX:Soybean
Start	347	End	628
GI	none	Score	72
Exons	347..529, 408..530, 551..628, 561..611		

Seq. No.	23816	Seq. ID	OJ991214_11.0127.C13
Gene No.	49598	Strand	-
Start	429	End	509
Name	OJ991214_11.0127.C13.o1.gs	Method	GENSCAN
Start	429	End	509
GI	none	Score	.46
Exons	429..509		

Seq. No.	23817	Seq. ID	OJ991214_11.0127.C14
Gene No.	49599	Strand	+
Start	1	End	227
Name	OJ991214_11.0127.C14.o1.np	Method	AAT/NAP
Start	1	End	227
GI	6721512	Score	66
Exons	1..227		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	23817	Seq. ID	OJ991214_11.0127.C14
Gene No.	49599	Strand	+
Start	1	End	227
Name	OJ991214_11.0127.C14.o1.gs	Method	GENSCAN
Start	91	End	211

GI	none	Score	.66
Exons	91..211		

Seq. No.	23818	Seq. ID	OJ991214_09.0112.C1
Gene No.	49600	Strand	+
Start	1	End	4134
Name	OJ991214_09.0112.C1.o1.np	Method	AAT/NAP
Start	1	End	4131
GI	5902445	Score	1310
Exons	1..320, 2582..2847, 2887..4131		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	23818	Seq. ID	OJ991214_09.0112.C1
Gene No.	49600	Strand	+
Start	1	End	4134
Name	OJ991214_09.0112.C1.o1.gs	Method	GENSCAN
Start	534	End	4134
GI	none	Score	.78
Exons	534..1378, 1522..1633, 1704..2483, 2593..2859, 2980..3192, 3328..4134		

Seq. No.	23818	Seq. ID	OJ991214_09.0112.C1
Gene No.	49601	Strand	-
Start	4484	End	6711
Name	OJ991214_09.0112.C1.o2.tm	Method	TBLASTX:Maize
Start	1416	End	1655
GI	none	Score	183
Exons	1416..1655		

Seq. No.	23818	Seq. ID	OJ991214_09.0112.C1
Gene No.	49601	Strand	-
Start	4484	End	6711
Name	OJ991214_09.0112.C1.o3.tw	Method	TBLASTX:Wheat
Start	1419	End	1817
GI	none	Score	245
Exons	1419..1817, 1433..1471, 1544..1726		

Seq. No.	23818	Seq. ID	OJ991214_09.0112.C1
Gene No.	49601	Strand	-
Start	4484	End	6711
Name	OJ991214_09.0112.C1.o1.tm	Method	TBLASTX:Maize
Start	3007	End	3312
GI	none	Score	334
Exons	3007..3312, 3045..3311		

Seq. No.	23818	Seq. ID	OJ991214_09.0112.C1
Gene No.	49601	Strand	-
Start	4484	End	6711
Name	OJ991214_09.0112.C1.o2.tw	Method	TBLASTX:Wheat
Start	3138	End	3492
GI	none	Score	355
Exons	3138..3194, 3139..3492, 3142..3384, 3240..3488		

Seq. No.	23818	Seq. ID	OJ991214_09.0112.C1
Gene No.	49601	Strand	-
Start	4484	End	6711
Name	OJ991214_09.0112.C1.o1.tw	Method	TBLASTX:Wheat

Start	3514	End	4122
GI	none	Score	343
Exons	3514..3966, 3528..3617, 3663..3770, 3991..4122		

Seq. No.	23818	Seq. ID	OJ991214_09.0112.C1
Gene No.	49601	Strand	-
Start	4484	End	6711
Name	OJ991214_09.0112.C1.o3.tm	Method	TBLASTX:Maize
Start	3736	End	3999
GI	none	Score	183
Exons	3736..3999		

Seq. No.	23818	Seq. ID	OJ991214_09.0112.C1
Gene No.	49601	Strand	-
Start	4484	End	6711
Name	OJ991214_09.0112.C1.o2.gs	Method	GENSCAN
Start	4484	End	6711
GI	none	Score	.75
Exons	4484..4547, 4753..4886, 5132..5265, 5376..5519, 5725..6335, 6510..6568, 6638..6711		

Seq. No.	23818	Seq. ID	OJ991214_09.0112.C1
Gene No.	49601	Strand	-
Start	4484	End	6711
Name	OJ991214_09.0112.C1.o2.np	Method	AAT/NAP
Start	5663	End	6711
GI	6721561	Score	1100
Exons	5663..6427, 6509..6568, 6638..6711		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	23819	Seq. ID	OJ991214_09.0112.C2
Gene No.	49602	Strand	+
Start	295	End	450
Name	OJ991214_09.0112.C2.o1.gs	Method	GENSCAN
Start	295	End	450
GI	none	Score	.69
Exons	295..450		

Seq. No.	23819	Seq. ID	OJ991214_09.0112.C2
Gene No.	49603	Strand	+
Start	13765	End	15238
Name	OJ991214_09.0112.C2.o1.tw	Method	TBLASTX:Wheat
Start	13747	End	14076
GI	none	Score	234
Exons	13747..13995, 13779..13976, 14008..14076, 14043..14075		

Seq. No.	23819	Seq. ID	OJ991214_09.0112.C2
Gene No.	49603	Strand	+
Start	13765	End	15238
Name	OJ991214_09.0112.C2.o1.np	Method	AAT/NAP
Start	13765	End	15238
GI	3928543	Score	1238
Exons	13765..15238		

GI Descrip. (AB016819) UDP-glucose glucosyltransferase [Arabidopsis thaliana]

Seq. No.	23819	Seq. ID	OJ991214_09.0112.C2
Gene No.	49603	Strand	+
Start	13765	End	15238
Name	OJ991214_09.0112.C2.o1.tc	Method	TBLASTX:Cress
Start	13765	End	15177
GI	none	Score	214
Exons	13765..13992, 13791..13976, 14008..14100, 14008..14076, 14118..14228, 14119..14328, 14359..14532, 14364..14477, 14530..14712, 14717..14806, 14807..15175, 14824..15177		

Seq. No.	23819	Seq. ID	OJ991214_09.0112.C2
Gene No.	49603	Strand	+
Start	13765	End	15238
Name	OJ991214_09.0112.C2.o1.tm	Method	TBLASTX:Maize
Start	13783	End	14625
GI	none	Score	231
Exons	13783..14007, 13785..13976, 14008..14109, 14014..14067, 14091..14234, 14107..14328, 14286..14327, 14359..14532, 14364..14477, 14497..14562, 14509..14625, 14547..14624		

Seq. No.	23819	Seq. ID	OJ991214_09.0112.C2
Gene No.	49603	Strand	+
Start	13765	End	15238
Name	OJ991214_09.0112.C2.o1.ts	Method	TBLASTX:Soybean
Start	13788	End	15163
GI	none	Score	218
Exons	13788..13907, 13789..13992, 14008..14103, 14110..14328, 14118..14225, 14359..14532, 14530..14571, 14589..14714, 14596..14715, 14717..14800, 14717..14776, 14807..15055, 14824..15054, 15062..15163		

Seq. No.	23819	Seq. ID	OJ991214_09.0112.C2
Gene No.	49603	Strand	+
Start	13765	End	15238
Name	OJ991214_09.0112.C2.o2.tm	Method	TBLASTX:Maize
Start	14641	End	15235
GI	none	Score	82
Exons	14641..14712, 14664..14708, 14717..14806, 14717..14806, 14807..15235, 14807..15064, 14824..15228		

Seq. No.	23819	Seq. ID	OJ991214_09.0112.C2
Gene No.	49603	Strand	+
Start	13765	End	15238
Name	OJ991214_09.0112.C2.o2.tw	Method	TBLASTX:Wheat
Start	14647	End	15045
GI	none	Score	57
Exons	14647..14712, 14723..14794, 14822..15043, 14824..15045		

Seq. No.	23820	Seq. ID	OJ991214_09.0112.C3
Gene No.	49604	Strand	+
Start	418	End	1671
Name	OJ991214_09.0112.C3.o1.gs	Method	GENSCAN
Start	418	End	1671
GI	none	Score	.57

Exons	418..584, 1581..1671		
Seq. No.	23820	Seq. ID	OJ991214_09.0112.C3
Gene No.	49605	Strand	+
Start	4378	End	4871
Name	OJ991214_09.0112.C3.o2.gs	Method	GENSCAN
Start	4378	End	4871
GI	none	Score	.46
Exons	4378..4491, 4518..4871		
Seq. No.	23820	Seq. ID	OJ991214_09.0112.C3
Gene No.	49606	Strand	+
Start	6478	End	14970
Name	OJ991214_09.0112.C3.o3.gs	Method	GENSCAN
Start	6478	End	14970
GI	none	Score	.55
Exons	6478..6620, 7174..7278, 7497..7599, 8025..8403, 9880..10072, 10305..10548, 11092..11195, 11829..11898, 14726..14970		
Seq. No.	23820	Seq. ID	OJ991214_09.0112.C3
Gene No.	49606	Strand	+
Start	6478	End	14970
Name	OJ991214_09.0112.C3.o1.tm	Method	TBLASTX:Maize
Start	7992	End	8375
GI	none	Score	399
Exons	7992..8375, 7992..8126, 8012..8368		
Seq. No.	23820	Seq. ID	OJ991214_09.0112.C3
Gene No.	49606	Strand	+
Start	6478	End	14970
Name	OJ991214_09.0112.C3.o1.ts	Method	TBLASTX:Soybean
Start	7994	End	8366
GI	none	Score	358
Exons	7994..8365, 7998..8366		
Seq. No.	23820	Seq. ID	OJ991214_09.0112.C3
Gene No.	49606	Strand	+
Start	6478	End	14970
Name	OJ991214_09.0112.C3.o1.np	Method	AAT/NAP
Start	7996	End	8378
GI	3928543	Score	299
Exons	7996..8378		
GI Descrip.	(AB016819) UDP-glucose glucosyltransferase [Arabidopsis thaliana]		
Seq. No.	23820	Seq. ID	OJ991214_09.0112.C3
Gene No.	49606	Strand	+
Start	6478	End	14970
Name	OJ991214_09.0112.C3.o1.tc	Method	TBLASTX:Cress
Start	8010	End	8315
GI	none	Score	346
Exons	8010..8315, 8015..8290		
Seq. No.	23821	Seq. ID	OJ991214_09.0112.C4
Gene No.	49607	Strand	+
Start	2379	End	5802
Name	OJ991214_09.0112.C4.o1.np	Method	AAT/NAP

Start	2379	End	5802
GI	6630696	Score	204
Exons	2379..2612, 5770..5802		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	23821	Seq. ID	OJ991214_09.0112.C4
Gene No.	49608	Strand	-
Start	3947	End	11107
Name	OJ991214_09.0112.C4.o2.gs	Method	GENSCAN
Start	3947	End	11107
GI	none	Score	.7
Exons	3947..4065, 4511..4757, 5197..5284, 5650..5702, 5896..6009, 6758..6785, 9189..9368, 9935..10267, 10342..10383, 11055..11107		

Seq. No.	23821	Seq. ID	OJ991214_09.0112.C4
Gene No.	49609	Strand	-
Start	11766	End	12194
Name	OJ991214_09.0112.C4.o3.gs	Method	GENSCAN
Start	11766	End	12194
GI	none	Score	.91
Exons	11766..12194		

Seq. No.	23822	Seq. ID	OJ991214_09.0112.C5
Gene No.	49610	Strand	+
Start	1	End	12884
Name	OJ991214_09.0112.C5.o1.np	Method	AAT/NAP
Start	1	End	12884
GI	6598399	Score	66
Exons	1..96, 12659..12884		
GI Descrip.	(AC003952) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	23822	Seq. ID	OJ991214_09.0112.C5
Gene No.	49610	Strand	+
Start	1	End	12884
Name	OJ991214_09.0112.C5.o1.gs	Method	GENSCAN
Start	1850	End	2694
GI	none	Score	.95
Exons	1850..1933, 2620..2694		

Seq. No.	23822	Seq. ID	OJ991214_09.0112.C5
Gene No.	49611	Strand	+
Start	15829	End	17445
Name	OJ991214_09.0112.C5.o3.gs	Method	GENSCAN
Start	15829	End	17445
GI	none	Score	.78
Exons	15829..17445		

Seq. No.	23822	Seq. ID	OJ991214_09.0112.C5
Gene No.	49612	Strand	+
Start	21237	End	21451
Name	OJ991214_09.0112.C5.o5.gs	Method	GENSCAN
Start	21237	End	21451
GI	none	Score	.94
Exons	21237..21317, 21392..21451		

Seq. No.	23822	Seq. ID	OJ991214_09.0112.C5
Gene No.	49613	Strand	+
Start	24154	End	36112
Name	OJ991214_09.0112.C5.o3.np	Method	AAT/NAP
Start	24154	End	27653
GI	2967837	Score	153
Exons	24154..24459, 24819..25329, 27625..27653		
GI Descrip.	(AF052641) cyst nematode resistance gene candidate [Triticum aestivum]		

Seq. No.	23822	Seq. ID	OJ991214_09.0112.C5
Gene No.	49613	Strand	+
Start	24154	End	36112
Name	OJ991214_09.0112.C5.o7.gs	Method	GENSCAN
Start	26483	End	36112
GI	none	Score	.58
Exons	26483..26590, 28841..29188, 29199..29407, 32245..32400, 32541..32589, 33905..34010, 36045..36112		

Seq. No.	23822	Seq. ID	OJ991214_09.0112.C5
Gene No.	49613	Strand	+
Start	24154	End	36112
Name	OJ991214_09.0112.C5.o2.gp	Method	AAT/GAP
Start	29328	End	29595
GI	2315_5.R1084	Score	300
Exons	29328..29407, 29485..29595		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	23822	Seq. ID	OJ991214_09.0112.C5
Gene No.	49614	Strand	-
Start	10212	End	11221
Name	OJ991214_09.0112.C5.o2.gs	Method	GENSCAN
Start	10212	End	11221
GI	none	Score	.86
Exons	10212..10444, 11170..11221		

Seq. No.	23822	Seq. ID	OJ991214_09.0112.C5
Gene No.	49615	Strand	-
Start	31406	End	31465
Name	OJ991214_09.0112.C5.o3.gp	Method	AAT/GAP
Start	31406	End	31465
GI	2315_6.R1084	Score	73
Exons	31406..31465		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 4.0e-38 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	23822	Seq. ID	OJ991214_09.0112.C5
Gene No.	49616	Strand	-
Start	32828	End	33090
Name	OJ991214_09.0112.C5.o4.gp	Method	AAT/GAP
Start	32828	End	33090
GI	2315_5.R1084	Score	358
Exons	32828..33090		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	23822	Seq. ID	OJ991214_09.0112.C5
Gene No.	49617	Strand	-
Start	37396	End	38373
Name	OJ991214_09.0112.C5.o8.gs	Method	GENSCAN
Start	37396	End	38373
GI	none	Score	.77
Exons	37396..37466, 37758..38373		

Seq. No.	23822	Seq. ID	OJ991214_09.0112.C5
Gene No.	49618	Strand	-
Start	39642	End	40062
Name	OJ991214_09.0112.C5.o9.gs	Method	GENSCAN
Start	39642	End	40062
GI	none	Score	.8
Exons	39642..40062		

Seq. No.	23823	Seq. ID	OJ991214_09.0112.C7
Gene No.	49619	Strand	-
Start	542	End	1348
Name	OJ991214_09.0112.C7.o1.np	Method	AAT/NAP
Start	542	End	1348
GI	4680179	Score	657
Exons	542..1348		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23823	Seq. ID	OJ991214_09.0112.C7
Gene No.	49620	Strand	-
Start	1595	End	6356
Name	OJ991214_09.0112.C7.o2.gs	Method	GENSCAN
Start	1595	End	6356
GI	none	Score	.47
Exons	1595..2395, 4206..4258, 4583..4658, 4706..4912, 5955..6180, 6265..6356		

Seq. No.	23823	Seq. ID	OJ991214_09.0112.C7
Gene No.	49621	Strand	-
Start	8504	End	8971
Name	OJ991214_09.0112.C7.o1.tw	Method	TBLASTX:Wheat
Start	551	End	857
GI	none	Score	112
Exons	551..853, 660..857		

Seq. No.	23823	Seq. ID	OJ991214_09.0112.C7
Gene No.	49621	Strand	-
Start	8504	End	8971
Name	OJ991214_09.0112.C7.o1.tm	Method	TBLASTX:Maize
Start	563	End	853
GI	none	Score	68
Exons	563..853, 723..836		

Seq. No.	23823	Seq. ID	OJ991214_09.0112.C7
Gene No.	49621	Strand	-
Start	8504	End	8971
Name	OJ991214_09.0112.C7.o2.tw	Method	TBLASTX:Wheat
Start	876	End	1087
GI	none	Score	113

Exons	876..1076, 878..1087		
Seq. No.	23823	Seq. ID	OJ991214_09.0112.C7
Gene No.	49621	Strand	-
Start	8504	End	8971
Name	OJ991214_09.0112.C7.o3.gs	Method	GENSCAN
Start	8504	End	8971
GI	none	Score	.71
Exons	8504..8711, 8844..8971		
Seq. No.	23824	Seq. ID	OJ991214_09.0112.C8
Gene No.	49622	Strand	+
Start	225	End	653
Name	OJ991214_09.0112.C8.o1.gs	Method	GENSCAN
Start	225	End	653
GI	none	Score	.77
Exons	225..653		
Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49623	Strand	+
Start	40	End	4736
Name	OJ991214_08.0113.C1.o1.np	Method	AAT/NAP
Start	40	End	4736
GI	4587987	Score	1190
Exons	40..209, 459..545, 756..949, 1613..1860, 1952..2231, 2330..2437, 2791..3069, 3708..3851, 4557..4736		
GI Descrip.	(AF085279) hypothetical Ser-Thr protein kinase [Arabidopsis thaliana] gi|6598931|gb|AAF18726.1|AC018721_1 (AC018721) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49623	Strand	+
Start	40	End	4736
Name	OJ991214_08.0113.C1.o1.gs	Method	GENSCAN
Start	350	End	4733
GI	none	Score	.93
Exons	350..545, 756..1364, 1557..1860, 1952..2231, 2330..2437, 2791..3069, 3708..3851, 4557..4733		
Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49624	Strand	+
Start	9979	End	11175
Name	OJ991214_08.0113.C1.o2.gp	Method	AAT/GAP
Start	9832	End	11175
GI	14342_1.R1084	Score	1221
Exons	9832..10037, 10714..11175		
GI Descrip.	'5731754/emb|CAB52555.1| 2.0e-30 (AL109819) putative protein [Arabidopsis thaliana]'		
Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49624	Strand	+
Start	9979	End	11175
Name	OJ991214_08.0113.C1.o3.gs	Method	GENSCAN
Start	9979	End	11113
GI	none	Score	.88
Exons	9979..10037, 10714..11113		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49625	Strand	+
Start	12154	End	12750
Name	OJ991214_08.0113.C1.o3.gp	Method	AAT/GAP
Start	12154	End	12750
GI	666_15.R1084	Score	1156
Exons	12154..12750		
GI Descrip.	'122106/sp|P02308|H4_WHEAT 8.0e-40 HISTONE H4 >gi_70771_pir__HSZM4 histone H4 - maize >gi_81642_pir__S06904 histone H4 - Arabidopsis thaliana >gi_2119028_pir__S60475 histone H4 - garden pea >gi_21795_emb_CAA24924_ (X00043) histone H4 [Triticum aestivum] >gi_166740 (M17132) histone H4 [Arabidopsis thaliana] >gi_166742 (M17133) histone H4 [Arabidopsis thaliana] >gi_168499 (M36659) histo'		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49626	Strand	+
Start	17846	End	28458
Name	OJ991214_08.0113.C1.o4.np	Method	AAT/NAP
Start	17846	End	28458
GI	5902445	Score	2976
Exons	17846..19627, 27196..28458		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49626	Strand	+
Start	17846	End	28458
Name	OJ991214_08.0113.C1.o8.gs	Method	GENSCAN
Start	27389	End	28227
GI	none	Score	.56
Exons	27389..27611, 27626..28227		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49627	Strand	+
Start	34319	End	37738
Name	OJ991214_08.0113.C1.o6.np	Method	AAT/NAP
Start	34319	End	37738
GI	2160165	Score	961
Exons	34319..34454, 34492..35270, 35343..36962, 37623..37738		
GI Descrip.	(AC000132) F21M12.11 gene product [Arabidopsis thaliana]		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49627	Strand	+
Start	34319	End	37738
Name	OJ991214_08.0113.C1.o5.gp	Method	AAT/GAP
Start	36755	End	37181
GI	31138_1.R1084	Score	830
Exons	36755..37181		
GI Descrip.	'4544438/gb|AAD22346.1|AC006592_3 2.0e-11 (AC006592) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49628	Strand	+
Start	39985	End	41156
Name	OJ991214_08.0113.C1.o11.gs	Method	GENSCAN
Start	39985	End	41156
GI	none	Score	.85

Exons	39985..40410, 40509..41156		
Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49629	Strand	+
Start	50782	End	51068
Name	OJ991214_08.0113.C1.o6.gp	Method	AAT/GAP
Start	50782	End	51068
GI	uC-osroM202024h02a1	Score	559
Exons	50782..51068		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		
Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49630	Strand	-
Start	5490	End	7914
Name	OJ991214_08.0113.C1.o2.gs	Method	GENSCAN
Start	5490	End	7737
GI	none	Score	.7
Exons	5490..5615, 5792..5945, 6369..6450, 6742..6874, 7405..7509, 7681..7737		
Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49630	Strand	-
Start	5490	End	7914
Name	OJ991214_08.0113.C1.o1.gp	Method	AAT/GAP
Start	7624	End	7914
GI	none	Score	554
Exons	7624..7914		
Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49631	Strand	-
Start	12363	End	12728
Name	OJ991214_08.0113.C1.o2.np	Method	AAT/NAP
Start	12363	End	12728
GI	1326372	Score	527
Exons	12363..12728		
GI Descrip.	(U58750) Similar to Histone. [Caenorhabditis elegans]		
Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49632	Strand	-
Start	13978	End	16542
Name	OJ991214_08.0113.C1.o3.np	Method	AAT/NAP
Start	13978	End	16542
GI	6721512	Score	99
Exons	13978..14160, 14354..14493, 14521..14635, 15593..15652, 16523..16542		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49633	Strand	-
Start	20339	End	20720
Name	OJ991214_08.0113.C1.o4.gp	Method	AAT/GAP
Start	20339	End	20720
GI	uC-osflcyp033a04b1	Score	659
Exons	20339..20720		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic		

DNA, chromosome 1, clone:P0711E10'

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49634	Strand	-
Start	25495	End	26628
Name	OJ991214_08.0113.C1.o7.gs	Method	GENSCAN
Start	25495	End	26628
GI	none	Score	.98
Exons	25495..26628		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49635	Strand	-
Start	28592	End	32863
Name	OJ991214_08.0113.C1.o9.gs	Method	GENSCAN
Start	28592	End	32863
GI	none	Score	.8
Exons	28592..28684, 29044..29192, 29198..29419, 29695..29840, 29964..30725, 30793..30851, 30922..31107, 31175..31299, 31465..31537, 31745..31841, 31999..32149, 32514..32638, 32778..32863		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49635	Strand	-
Start	28592	End	32863
Name	OJ991214_08.0113.C1.o5.np	Method	AAT/NAP
Start	29963	End	31574
GI	6721561	Score	1078
Exons	29963..30725, 30793..30851, 30922..31141, 31539..31574		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o2.tm	Method	TBLASTX:Maize
Start	1814	End	3803
GI	none	Score	62
Exons	1814..1861, 1917..2231, 1920..2228, 1949..2233, 2026..2232, 2327..2437, 2329..2418, 2333..2419, 2788..3081, 2793..3077, 3707..3802, 3708..3803		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o4.ts	Method	TBLASTX:Soybean
Start	1946	End	2189
GI	none	Score	148
Exons	1946..2170, 1949..2188, 1950..2189		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o3.tw	Method	TBLASTX:Wheat
Start	1959	End	2401

GI	none	Score	379
Exons	1959..2231, 1959..2228, 2026..2238, 2327..2401, 2329..2400		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o3.tc	Method	TBLASTX:Cress
Start	2193	End	3848
GI	none	Score	62
Exons	2193..2231, 2327..2437, 2329..2436, 2788..3081, 2805..3077, 3708..3788, 3780..3848		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o2.ts	Method	TBLASTX:Soybean
Start	2788	End	4667
GI	none	Score	460
Exons	2788..3078, 2793..3071, 3686..3853, 3687..3851, 3737..3853, 4556..4666, 4557..4667		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o12.tm	Method	TBLASTX:Maize
Start	4554	End	4741
GI	none	Score	256
Exons	4554..4733, 4556..4741, 4557..4727		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o5.tm	Method	TBLASTX:Maize
Start	5549	End	6780
GI	none	Score	179
Exons	5549..5704, 5557..5703, 5563..5706, 5789..5944, 5796..5948, 5797..5949, 5797..5952, 6359..6436, 6380..6451, 6547..6660, 6548..6658, 6552..6659, 6744..6779, 6745..6780, 6746..6778		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o5.tc	Method	TBLASTX:Cress
Start	5590	End	5884
GI	none	Score	93
Exons	5590..5703, 5591..5707, 5789..5884, 5799..5882		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o7.ts	Method	TBLASTX:Soybean
Start	5590	End	5893
GI	none	Score	129
Exons	5590..5703, 5591..5695, 5789..5893, 5799..5891		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-

Start	51081	End	55806
Name	OJ991214_08.0113.C1.o8.ts	Method	TBLASTX:Soybean
Start	6553	End	6865
GI	none	Score	151
Exons	6553..6609, 6604..6660, 6746..6865		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o5.ts	Method	TBLASTX:Soybean
Start	10711	End	11088
GI	none	Score	81
Exons	10711..10821, 10711..10878, 10712..10879, 10885..10959, 10886..10981, 11026..11088		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o13.tm	Method	TBLASTX:Maize
Start	10711	End	11077
GI	none	Score	197
Exons	10711..10872, 10712..10873, 10892..10963, 11027..11077		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o4.tc	Method	TBLASTX:Cress
Start	10711	End	10973
GI	none	Score	207
Exons	10711..10878, 10712..10879, 10884..10973, 10901..10972		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o4.tm	Method	TBLASTX:Maize
Start	12211	End	12622
GI	none	Score	69
Exons	12211..12228, 12289..12327, 12290..12328, 12357..12608, 12364..12612, 12487..12618, 12507..12620, 12593..12622		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o3.ts	Method	TBLASTX:Soybean
Start	12351	End	12617
GI	none	Score	280
Exons	12351..12608, 12364..12612, 12487..12612, 12507..12617		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o2.tc	Method	TBLASTX:Cress
Start	12352	End	12612
GI	none	Score	254
Exons	12352..12612, 12354..12608		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1

Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o5.tw	Method	TBLASTX:Wheat
Start	12357	End	12625
GI	none	Score	376
Exons	12357..12608, 12364..12612, 12487..12615, 12507..12617, 12593..12625		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o11.tw	Method	TBLASTX:Wheat
Start	16163	End	16561
GI	none	Score	260
Exons	16163..16561, 16177..16215, 16288..16461		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o7.tw	Method	TBLASTX:Wheat
Start	17144	End	17599
GI	none	Score	146
Exons	17144..17326, 17152..17253, 17363..17599, 17365..17481, 17375..17584		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o2.tw	Method	TBLASTX:Wheat
Start	17791	End	18206
GI	none	Score	155
Exons	17791..17964, 17792..17962, 17875..18195, 17954..18205, 18114..18206		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o6.tm	Method	TBLASTX:Maize
Start	17954	End	18238
GI	none	Score	361
Exons	17954..18238, 17957..18094, 17959..18237		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o10.tm	Method	TBLASTX:Maize
Start	18266	End	18649
GI	none	Score	323
Exons	18266..18649, 18337..18648		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o4.tw	Method	TBLASTX:Wheat
Start	18323	End	18718
GI	none	Score	438
Exons	18323..18718, 18337..18705, 18425..18712		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o6.ts	Method	TBLASTX:Soybean
Start	18401	End	18800
GI	none	Score	257
Exons	18401..18718, 18403..18561, 18720..18800		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o9.tw	Method	TBLASTX:Wheat
Start	18891	End	19298
GI	none	Score	212
Exons	18891..19115, 18944..19117, 19125..19298, 19218..19295		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o12.tw	Method	TBLASTX:Wheat
Start	19337	End	19595
GI	none	Score	186
Exons	19337..19591, 19338..19595		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o7.tm	Method	TBLASTX:Maize
Start	27331	End	27657
GI	none	Score	348
Exons	27331..27657, 27351..27638		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o8.tw	Method	TBLASTX:Wheat
Start	27334	End	27717
GI	none	Score	364
Exons	27334..27717, 27342..27716		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o6.tw	Method	TBLASTX:Wheat
Start	27841	End	28449
GI	none	Score	351
Exons	27841..28293, 27855..27944, 27990..28097, 28318..28449, 28323..28448		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o9.ts	Method	TBLASTX:Soybean
Start	34510	End	34726
GI	none	Score	197
Exons	34510..34629, 34511..34726		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o3.tm	Method	TBLASTX:Maize
Start	35094	End	35536
GI	none	Score	334
Exons	35094..35534, 35098..35526, 35099..35536		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o14.tm	Method	TBLASTX:Maize
Start	36209	End	36568
GI	none	Score	78
Exons	36209..36325, 36308..36568, 36319..36465, 36320..36475, 36514..36543		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o9.tm	Method	TBLASTX:Maize
Start	36707	End	36982
GI	none	Score	337
Exons	36707..36982, 36709..36981		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o1.tm	Method	TBLASTX:Maize
Start	50971	End	52660
GI	none	Score	194
Exons	50971..51192, 51014..51187, 51063..51191, 51079..51192, 51080..51193, 51260..51352, 51270..51383, 51424..51567, 51435..51566, 51437..51568, 51437..51568, 51644..51772, 51676..51774, 51677..51775, 51892..52035, 51893..52042, 51894..52043, 51894..52043, 52143..52235, 52144..52236, 52147..52242, 52152..52238, 52308..52454, 52351..52455, 52352..52456, 52354..52455, 52528..52644, 52528..52647, 52532..52660		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o1.tc	Method	TBLASTX:Cress
Start	51063	End	55343
GI	none	Score	59
Exons	51063..51191, 51064..51192, 51260..51352, 51308..51391, 51437..51571, 51438..51566, 51662..51745, 51665..51745, 51684..51746, 51901..52035, 51902..52042, 52177..52242, 52350..52454, 52351..52455, 52528..52653, 52532..52585, 52747..52848, 52784..52855, 52920..53324, 52927..53184, 52932..53324, 53384..53638, 53390..53665, 53391..53675, 53391..53819, 53392..53700, 53781..53939, 53890..53991, 54090..54137, 54217..54327, 54307..54390, 55179..55343		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1

Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o1.ts	Method	TBLASTX:Soybean
Start	51081	End	55241
GI	none	Score	62
Exons	51081..51200, 51082..51192, 51260..51391, 51312..51383, 51437..51565, 51438..51563, 51458..51565, 51644..51748, 51659..51748, 51898..52035, 51899..52042, 52353..52454, 52381..52455, 52522..52650, 52528..52653, 52747..52848, 52918..53109, 52920..53177, 52932..53054, 52933..53175, 53212..53301, 53217..53324, 53244..53324, 53337..53441, 53442..53750, 53449..53718, 53859..53939, 54075..54137, 54217..54300, 54316..54390, 55179..55241		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o13.gs	Method	GENSCAN
Start	51081	End	55481
GI	none	Score	.77
Exons	51081..51190, 51271..51349, 51440..51568, 51889..52039, 52145..52233, 52353..52455, 52505..52647, 52753..52848, 52932..53318, 53391..53813, 53886..53999, 54093..54141, 54218..54380, 55181..55481		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o7.np	Method	AAT/NAP
Start	51084	End	55806
GI	2654868	Score	1898
Exons	51084..51190, 51271..51349, 51440..51568, 51659..51797, 51839..52047, 52177..52233, 52353..52455, 52532..52647, 52753..52848, 52932..53318, 53391..53813, 53886..53999, 54093..54141, 54218..54380, 55181..55340, 55712..55806		
GI Descrip.	(AF015301) RbohAp108 [Arabidopsis thaliana]		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o7.gp	Method	AAT/GAP
Start	51920	End	53054
GI	41501_1.R1084	Score	1170
Exons	51920..52039, 52145..52233, 52353..52455, 52532..52647, 52753..52848, 52932..53054		
GI Descrip.	'2654868 8.0e-73 (AF015301) RbohAp108 [Arabidopsis thaliana]'		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o10.tw	Method	TBLASTX:Wheat
Start	52371	End	52848
GI	none	Score	80
Exons	52371..52454, 52372..52455, 52528..52653, 52532..52636, 52747..52848		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1

Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o8.tm	Method	TBLASTX:Maize
Start	52798	End	53429
GI	none	Score	42
Exons	52798..52848, 52799..52849, 52920..53216, 52927..53184, 53220..53324, 53391..53429		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o1.tw	Method	TBLASTX:Wheat
Start	52965	End	53445
GI	none	Score	406
Exons	52965..53324, 52968..53324, 53388..53444, 53389..53445		

Seq. No.	23825	Seq. ID	OJ991214_08.0113.C1
Gene No.	49636	Strand	-
Start	51081	End	55806
Name	OJ991214_08.0113.C1.o11.tm	Method	TBLASTX:Maize
Start	53442	End	53741
GI	none	Score	130
Exons	53442..53741, 53443..53664, 53463..53699		

Seq. No.	23826	Seq. ID	OJ991214_08.0113.C2
Gene No.	49637	Strand	+
Start	4313	End	5350
Name	OJ991214_08.0113.C2.o2.gp	Method	AAT/GAP
Start	4313	End	4789
GI	none	Score	706
Exons	4313..4657, 4760..4789		

Seq. No.	23826	Seq. ID	OJ991214_08.0113.C2
Gene No.	49637	Strand	+
Start	4313	End	5350
Name	OJ991214_08.0113.C2.o1.gs	Method	GENSCAN
Start	4565	End	5350
GI	none	Score	.85
Exons	4565..4657, 4760..4974, 5077..5350		

Seq. No.	23826	Seq. ID	OJ991214_08.0113.C2
Gene No.	49638	Strand	+
Start	9338	End	11021
Name	OJ991214_08.0113.C2.o1.np	Method	AAT/NAP
Start	9338	End	11021
GI	6907086	Score	1255
Exons	9338..10099, 10161..10395, 10621..10687, 10813..11021		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	23826	Seq. ID	OJ991214_08.0113.C2
Gene No.	49639	Strand	-
Start	5432	End	5780
Name	OJ991214_08.0113.C2.o3.gp	Method	AAT/GAP
Start	5432	End	5780
GI	none	Score	694
Exons	5432..5780		

Seq. No.	23826	Seq. ID	OJ991214_08.0113.C2
Gene No.	49640	Strand	-
Start	7689	End	10379
Name	OJ991214_08.0113.C2.o1.tm	Method	TBLASTX:Maize
Start	4562	End	5287
GI	none	Score	73
Exons	4562..4657, 4757..4972, 4759..4920, 5081..5155, 5162..5287, 5179..5265		

Seq. No.	23826	Seq. ID	OJ991214_08.0113.C2
Gene No.	49640	Strand	-
Start	7689	End	10379
Name	OJ991214_08.0113.C2.o1.ts	Method	TBLASTX:Soybean
Start	4796	End	5290
GI	none	Score	114
Exons	4796..4975, 5099..5155, 5171..5290, 5173..5265		

Seq. No.	23826	Seq. ID	OJ991214_08.0113.C2
Gene No.	49640	Strand	-
Start	7689	End	10379
Name	OJ991214_08.0113.C2.o2.gs	Method	GENSCAN
Start	7689	End	10379
GI	none	Score	.41
Exons	7689..7762, 8868..9029, 9463..9526, 9771..9970, 10278..10379		

Seq. No.	23827	Seq. ID	OJ991214_08.0113.C3
Gene No.	49641	Strand	+
Start	1	End	3552
Name	OJ991214_08.0113.C3.o1.np	Method	AAT/NAP
Start	1	End	3552
GI	6815109	Score	173
Exons	1..28, 970..1201, 3532..3552		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	23827	Seq. ID	OJ991214_08.0113.C3
Gene No.	49641	Strand	+
Start	1	End	3552
Name	OJ991214_08.0113.C3.o2.np	Method	AAT/NAP
Start	448	End	2646
GI	5042454	Score	283
Exons	448..492, 1169..1401, 2257..2646		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	23827	Seq. ID	OJ991214_08.0113.C3
Gene No.	49641	Strand	+
Start	1	End	3552
Name	OJ991214_08.0113.C3.o1.gs	Method	GENSCAN
Start	1309	End	2689
GI	none	Score	.51
Exons	1309..1344, 1406..1622, 2373..2689		

Seq. No.	23827	Seq. ID	OJ991214_08.0113.C3
Gene No.	49642	Strand	-
Start	2404	End	5935
Name	OJ991214_08.0113.C3.o3.np	Method	AAT/NAP
Start	2404	End	5876
GI	6721512	Score	79

Exons	2404..2475, 3772..3887, 5856..5876		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	23827	Seq. ID	OJ991214_08.0113.C3
Gene No.	49642	Strand	-
Start	2404	End	5935
Name	OJ991214_08.0113.C3.o4.np	Method	AAT/NAP
Start	2646	End	5935
GI	6815109	Score	136
Exons	2646..2733, 4978..5187, 5879..5935		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	23827	Seq. ID	OJ991214_08.0113.C3
Gene No.	49642	Strand	-
Start	2404	End	5935
Name	OJ991214_08.0113.C3.o2.gs	Method	GENSCAN
Start	3715	End	4548
GI	none	Score	.95
Exons	3715..3906, 4495..4548		
Seq. No.	23828	Seq. ID	OJ991214_08.0113.C4
Gene No.	49643	Strand	+
Start	82	End	8873
Name	OJ991214_08.0113.C4.o1.np	Method	AAT/NAP
Start	82	End	4253
GI	3402693	Score	918
Exons	82..142, 1329..1666, 1763..1936, 2077..2239, 2318..2396, 2502..2568, 2683..2734, 3603..3686, 3790..4253		
GI Descrip.	(AC004697) unknown protein [Arabidopsis thaliana]		
Seq. No.	23828	Seq. ID	OJ991214_08.0113.C4
Gene No.	49643	Strand	+
Start	82	End	8873
Name	OJ991214_08.0113.C4.o1.gs	Method	GENSCAN
Start	418	End	8873
GI	none	Score	.91
Exons	418..461, 1020..1089, 1175..1666, 1763..1936, 2077..2190, 2683..2734, 3790..4202, 4421..4482, 4716..4785, 5109..5189, 5266..5367, 5849..5985, 6292..6409, 6638..6837, 8717..8873		
Seq. No.	23828	Seq. ID	OJ991214_08.0113.C4
Gene No.	49644	Strand	-
Start	13297	End	13962
Name	OJ991214_08.0113.C4.o1.gp	Method	AAT/GAP
Start	13297	End	13962
GI	none	Score	1300
Exons	13297..13962		
Seq. No.	23828	Seq. ID	OJ991214_08.0113.C4
Gene No.	49645	Strand	-
Start	16373	End	17599
Name	OJ991214_08.0113.C4.o1.tm	Method	TBLASTX:Maize
Start	2500	End	4079
GI	none	Score	100
Exons	2500..2571, 2505..2573, 2506..2571, 2680..2745, 2681..2734, 2835..2930, 2839..2973, 2840..2929, 3572..3688, 3602..3688, 3609..3692, 3609..3692, 3610..3699, 3788..3991, 3789..3992,		

3789..3995, 3791..4000, 3989..4078, 4002..4079

Seq. No.	23828	Seq. ID	OJ991214_08.0113.C4
Gene No.	49645	Strand	-
Start	16373	End	17599
Name	OJ991214_08.0113.C4.o1.ts	Method	TBLASTX:Soybean
Start	2701	End	3989
GI	none	Score	53
Exons	2701..2745, 2804..2923, 2809..2925, 2837..2926, 2839..2928, 2841..2933, 2841..2933, 3617..3688, 3788..3988, 3789..3989		

Seq. No.	23828	Seq. ID	OJ991214_08.0113.C4
Gene No.	49645	Strand	-
Start	16373	End	17599
Name	OJ991214_08.0113.C4.o1.tw	Method	TBLASTX:Wheat
Start	3783	End	4057
GI	none	Score	266
Exons	3783..3986, 3788..3991, 4001..4057, 4002..4049		

Seq. No.	23828	Seq. ID	OJ991214_08.0113.C4
Gene No.	49645	Strand	-
Start	16373	End	17599
Name	OJ991214_08.0113.C4.o2.tm	Method	TBLASTX:Maize
Start	5843	End	6411
GI	none	Score	177
Exons	5843..5962, 5845..5958, 5846..5977, 5945..5986, 6278..6409, 6289..6411, 6289..6411		

Seq. No.	23828	Seq. ID	OJ991214_08.0113.C4
Gene No.	49645	Strand	-
Start	16373	End	17599
Name	OJ991214_08.0113.C4.o2.np	Method	AAT/NAP
Start	16373	End	17599
GI	6815099	Score	84
Exons	16373..16584, 17500..17599		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	23829	Seq. ID	OJ991214_08.0113.C5
Gene No.	49646	Strand	+
Start	89	End	206
Name	OJ991214_08.0113.C5.o1.gs	Method	GENSCAN
Start	89	End	206
GI	none	Score	.66
Exons	89..206		

Seq. No.	23830	Seq. ID	OJ991214_04.0114.C2
Gene No.	49647	Strand	+
Start	503	End	664
Name	OJ991214_04.0114.C2.o1.gs	Method	GENSCAN
Start	503	End	664
GI	none	Score	.41
Exons	503..664		

Seq. No.	23830	Seq. ID	OJ991214_04.0114.C2
Gene No.	49648	Strand	-
Start	1	End	896
Name	OJ991214_04.0114.C2.o1.np	Method	AAT/NAP

Start	1	End	896
GI	6006359	Score	79
Exons	1..55, 622..722, 849..896		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	23831	Seq. ID	OJ991214_04.0114.C3
Gene No.	49649	Strand	+
Start	18	End	34
Name	OJ991214_04.0114.C3.o1.gs	Method	GENSCAN
Start	18	End	34
GI	none	Score	.89
Exons	18..34		

Seq. No.	23832	Seq. ID	OJ991214_04.0114.C4
Gene No.	49650	Strand	+
Start	495	End	792
Name	OJ991214_04.0114.C4.o1.gs	Method	GENSCAN
Start	495	End	792
GI	none	Score	.61
Exons	495..792		

Seq. No.	23833	Seq. ID	OJ991214_04.0114.C5
Gene No.	49651	Strand	+
Start	1	End	623
Name	OJ991214_04.0114.C5.o1.np	Method	AAT/NAP
Start	1	End	623
GI	5852093	Score	45
Exons	1..21, 532..623		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	23833	Seq. ID	OJ991214_04.0114.C5
Gene No.	49651	Strand	+
Start	1	End	623
Name	OJ991214_04.0114.C5.o1.gs	Method	GENSCAN
Start	204	End	416
GI	none	Score	.73
Exons	204..255, 324..416		

Seq. No.	23833	Seq. ID	OJ991214_04.0114.C5
Gene No.	49652	Strand	-
Start	1189	End	1970
Name	OJ991214_04.0114.C5.o2.gs	Method	GENSCAN
Start	1189	End	1970
GI	none	Score	.65
Exons	1189..1295, 1910..1970		

Seq. No.	23834	Seq. ID	OJ991214_04.0114.C7
Gene No.	49653	Strand	+
Start	419	End	1282
Name	OJ991214_04.0114.C7.o1.gs	Method	GENSCAN
Start	419	End	1282
GI	none	Score	.76
Exons	419..522, 1111..1282		

Seq. No.	23834	Seq. ID	OJ991214_04.0114.C7
Gene No.	49654	Strand	+
Start	16537	End	20009

Name	OJ991214_04.0114.C7.o4.gs	Method	GENSCAN
Start	16537	End	20009
GI	none	Score	.52
Exons	16537..16587, 16781..16870, 16899..17130, 17622..17729, 18102..18405, 18516..18788, 19877..20009		

Seq. No.	23834	Seq. ID	OJ991214_04.0114.C7
Gene No.	49655	Strand	+
Start	20852	End	21121
Name	OJ991214_04.0114.C7.o5.gs	Method	GENSCAN
Start	20852	End	21121
GI	none	Score	.77
Exons	20852..21121		

Seq. No.	23834	Seq. ID	OJ991214_04.0114.C7
Gene No.	49656	Strand	+
Start	23947	End	24408
Name	OJ991214_04.0114.C7.o3.np	Method	AAT/NAP
Start	23947	End	24408
GI	6069668	Score	770
Exons	23947..24408		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	23834	Seq. ID	OJ991214_04.0114.C7
Gene No.	49657	Strand	+
Start	27728	End	28199
Name	OJ991214_04.0114.C7.o7.gs	Method	GENSCAN
Start	27728	End	28199
GI	none	Score	.98
Exons	27728..27970, 28048..28199		

Seq. No.	23834	Seq. ID	OJ991214_04.0114.C7
Gene No.	49658	Strand	-
Start	3160	End	9150
Name	OJ991214_04.0114.C7.o2.gs	Method	GENSCAN
Start	3160	End	9150
GI	none	Score	.41
Exons	3160..3383, 3980..4091, 4150..4275, 6005..6078, 6347..6571, 7221..7261, 7300..7508, 8005..8058, 8269..8313, 8429..8596, 9064..9150		

Seq. No.	23834	Seq. ID	OJ991214_04.0114.C7
Gene No.	49658	Strand	-
Start	3160	End	9150
Name	OJ991214_04.0114.C7.o1.np	Method	AAT/NAP
Start	4051	End	7315
GI	6539588	Score	286
Exons	4051..4348, 6288..6571, 7289..7315		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	23834	Seq. ID	OJ991214_04.0114.C7
Gene No.	49659	Strand	-
Start	12172	End	15417
Name	OJ991214_04.0114.C7.o2.np	Method	AAT/NAP
Start	11936	End	13622
GI	6539588	Score	145
Exons	11936..11956, 13290..13622		

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No.	23834	Seq. ID	OJ991214_04.0114.C7
Gene No.	49659	Strand	-
Start	12172	End	15417
Name	OJ991214_04.0114.C7.o3.gs	Method	GENSCAN
Start	12172	End	15417
GI	none	Score	.52
Exons	12172..12420, 13319..13588, 13770..13962, 14406..14467, 14910..15106, 15360..15417		

Seq. No.	23834	Seq. ID	OJ991214_04.0114.C7
Gene No.	49660	Strand	-
Start	23092	End	26232
Name	OJ991214_04.0114.C7.o1.tw	Method	TBLASTX:Wheat
Start	7426	End	7798
GI	none	Score	60
Exons	7426..7503, 7503..7727, 7541..7702, 7739..7798		

Seq. No.	23834	Seq. ID	OJ991214_04.0114.C7
Gene No.	49660	Strand	-
Start	23092	End	26232
Name	OJ991214_04.0114.C7.o6.gs	Method	GENSCAN
Start	23092	End	26232
GI	none	Score	.82
Exons	23092..23205, 23505..23682, 23993..24442, 26101..26201, 26230..26232		

Seq. No.	23835	Seq. ID	OJ991214_04.0114.C8
Gene No.	49661	Strand	+
Start	282	End	5798
Name	OJ991214_04.0114.C8.o1.gs	Method	GENSCAN
Start	282	End	5798
GI	none	Score	.51
Exons	282..1037, 1689..1828, 2804..2973, 3740..3924, 4470..4557, 5602..5798		

Seq. No.	23835	Seq. ID	OJ991214_04.0114.C8
Gene No.	49662	Strand	+
Start	11062	End	13817
Name	OJ991214_04.0114.C8.o1.gp	Method	AAT/GAP
Start	11062	End	13817
GI	23724_1.R1084	Score	1084
Exons	11062..11117, 11253..11316, 12686..12770, 13094..13183, 13490..13817		

GI Descrip. '1351359/sp|P48504|UCRH_SOLTU 5.0e-20 UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 7.8 KD PROTEIN (MITOCHONDRIAL HINGE PROTEIN) (CR7) >gi_1071788_pir__S48690 ubiquinol--cytochrome-c reductase (EC 1.10.2.2) 11K protein - potato >gi_488712_emb_CAA55860_ (X79273) ubiquinol--cytochrome c reductase [Solanum tuberosum]'

Seq. No.	23835	Seq. ID	OJ991214_04.0114.C8
Gene No.	49662	Strand	+
Start	11062	End	13817
Name	OJ991214_04.0114.C8.o4.np	Method	AAT/NAP
Start	12684	End	13519
GI	1351359	Score	197

Exons	12684..12770, 13094..13183, 13490..13519		
GI Descrip.	UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 7.8 KD PROTEIN (MITOCHONDRIAL HINGE PROTEIN) (CR7) gi|1071788|pir||S48690 ubiquinol--cytochrome-c reductase (EC 1.10.2.2) 11K protein - potato gi|488712|emb|CAA55860| (X79273) ubiquinol--cytochrome c reductase [Solanum tuberosum]		

Seq. No.	23835	Seq. ID	OJ991214_04.0114.C8
Gene No.	49663	Strand	-
Start	3626	End	3962
Name	OJ991214_04.0114.C8.o2.np	Method	AAT/NAP
Start	3626	End	3962
GI	85001	Score	154
Exons	3626..3962		
GI Descrip.	histone H3.3 - fruit fly (Drosophila melanogaster)		

Seq. No.	23835	Seq. ID	OJ991214_04.0114.C8
Gene No.	49664	Strand	-
Start	5112	End	9123
Name	OJ991214_04.0114.C8.o3.np	Method	AAT/NAP
Start	5112	End	7455
GI	3868853	Score	113
Exons	5112..5191, 6029..6221, 7400..7455		
GI Descrip.	(AB013853) GPI-anchored protein [Vigna radiata]		

Seq. No.	23835	Seq. ID	OJ991214_04.0114.C8
Gene No.	49664	Strand	-
Start	5112	End	9123
Name	OJ991214_04.0114.C8.o2.gs	Method	GENSCAN
Start	6051	End	9123
GI	none	Score	.5
Exons	6051..6274, 6628..6720, 6852..6953, 7813..7884, 8116..8268, 8484..8656, 9023..9123		

Seq. No.	23835	Seq. ID	OJ991214_04.0114.C8
Gene No.	49665	Strand	-
Start	10628	End	11961
Name	OJ991214_04.0114.C8.o1.tm	Method	TBLASTX:Maize
Start	366	End	758
GI	none	Score	206
Exons	366..758, 425..553, 447..569		

Seq. No.	23835	Seq. ID	OJ991214_04.0114.C8
Gene No.	49665	Strand	-
Start	10628	End	11961
Name	OJ991214_04.0114.C8.o3.gs	Method	GENSCAN
Start	10628	End	11961
GI	none	Score	.81
Exons	10628..10639, 11007..11649, 11954..11961		

Seq. No.	23835	Seq. ID	OJ991214_04.0114.C8
Gene No.	49666	Strand	
Start	12687	End	13623
Name	OJ991214_04.0114.C8.o2.tm	Method	TBLASTX:Maize
Start	12687	End	13623
GI	none	Score	134
Exons	12687..12770, 12687..12773, 12688..12777, 12689..12778,		

13090..13185, 13091..13189, 13093..13185, 13468..13524,
13469..13525, 13549..13623, 13567..13617

Seq. No.	23836	Seq. ID	OJ991214_04.0114.C10
Gene No.	49667	Strand	+
Start	100	End	277
Name	OJ991214_04.0114.C10.o1.gs	Method	GENSCAN
Start	100	End	277
GI	none	Score	.54
Exons	100..277		

Seq. No.	23836	Seq. ID	OJ991214_04.0114.C10
Gene No.	49668	Strand	+
Start	2353	End	3166
Name	OJ991214_04.0114.C10.o1.gp	Method	AAT/GAP
Start	2353	End	3166
GI	492_1.R1084	Score	1569
Exons	2353..3166		
GI Descrip.	'4996105/dbj|BAA78331.1| 2.0e-95 (AB014076) histidine decarboxylase [Brassica napus]'		

Seq. No.	23836	Seq. ID	OJ991214_04.0114.C10
Gene No.	49669	Strand	-
Start	2579	End	4043
Name	OJ991214_04.0114.C10.o2.gs	Method	GENSCAN
Start	2579	End	4043
GI	none	Score	.93
Exons	2579..3148, 3267..3400, 3485..3678, 3790..4043		

Seq. No.	23836	Seq. ID	OJ991214_04.0114.C10
Gene No.	49669	Strand	-
Start	2579	End	4043
Name	OJ991214_04.0114.C10.o1.ts	Method	TBLASTX:Soybean
Start	2580	End	4023
GI	none	Score	428
Exons	2580..3149, 2585..3160, 3270..3365, 3274..3351, 3333..3401, 3333..3401, 3337..3402, 3483..3698, 3484..3678, 3542..3679, 3780..4019, 3781..4023, 3788..4018, 3789..4022, 3790..4023		

Seq. No.	23836	Seq. ID	OJ991214_04.0114.C10
Gene No.	49669	Strand	-
Start	2579	End	4043
Name	OJ991214_04.0114.C10.o1.np	Method	AAT/NAP
Start	2585	End	4027
GI	4996105	Score	1653
Exons	2585..3148, 3267..3400, 3485..3678, 3790..4027		
GI Descrip.	(AB014076) histidine decarboxylase [Brassica napus]		

Seq. No.	23836	Seq. ID	OJ991214_04.0114.C10
Gene No.	49669	Strand	-
Start	2579	End	4043
Name	OJ991214_04.0114.C10.o1.tc	Method	TBLASTX:Cress
Start	2585	End	3082
GI	none	Score	310
Exons	2585..2665, 2672..3079, 2714..3082		

Seq. No.	23836	Seq. ID	OJ991214_04.0114.C10

Gene No.	49669	Strand	-
Start	2579	End	4043
Name	OJ991214_04.0114.C10.o1.tm	Method	TBLASTX:Maize
Start	2585	End	3384
GI	none	Score	619
Exons	2585..3160, 2598..3161, 2723..3163, 2929..3162, 3252..3383, 3265..3384, 3267..3380, 3268..3384		

Seq. No.	23836	Seq. ID	OJ991214_04.0114.C10
Gene No.	49669	Strand	-
Start	2579	End	4043
Name	OJ991214_04.0114.C10.o2.tc	Method	TBLASTX:Cress
Start	3840	End	4023
GI	none	Score	80
Exons	3840..4022, 3846..4022, 3850..4023, 3865..4023		

Seq. No.	23837	Seq. ID	OJ991214_04.0114.C11
Gene No.	49670	Strand	-
Start	1	End	963
Name	OJ991214_04.0114.C11.o1.np	Method	AAT/NAP
Start	1	End	963
GI	4996105	Score	115
Exons	1..19, 839..963		
GI Descrip.	(AB014076) histidine decarboxylase [Brassica napus]		

Seq. No.	23837	Seq. ID	OJ991214_04.0114.C11
Gene No.	49670	Strand	-
Start	1	End	963
Name	OJ991214_04.0114.C11.o1.gs	Method	GENSCAN
Start	296	End	903
GI	none	Score	.59
Exons	296..404, 536..631, 671..903		

Seq. No.	23837	Seq. ID	OJ991214_04.0114.C11
Gene No.	49670	Strand	-
Start	1	End	963
Name	OJ991214_04.0114.C11.o1.tm	Method	TBLASTX:Maize
Start	826	End	960
GI	none	Score	64
Exons	826..960, 841..894		

Seq. No.	23838	Seq. ID	OJ991214_04.0114.C12
Gene No.	49671	Strand	-
Start	135	End	583
Name	OJ991214_04.0114.C12.o1.np	Method	AAT/NAP
Start	135	End	583
GI	6630539	Score	301
Exons	135..583		
GI Descrip.	(AC011708) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	23838	Seq. ID	OJ991214_04.0114.C12
Gene No.	49671	Strand	-
Start	135	End	583
Name	OJ991214_04.0114.C12.o1.ts	Method	TBLASTX:Soybean
Start	195	End	413
GI	none	Score	74

Exons	195..341, 211..285, 363..413		
Seq. No.	23838	Seq. ID	OJ991214_04.0114.C12
Gene No.	49671	Strand	-
Start	135	End	583
Name	OJ991214_04.0114.C12.o1.tm	Method	TBLASTX:Maize
Start	198	End	341
GI	none	Score	178
Exons	198..341		
Seq. No.	23838	Seq. ID	OJ991214_04.0114.C12
Gene No.	49671	Strand	-
Start	135	End	583
Name	OJ991214_04.0114.C12.o1.tc	Method	TBLASTX:Cress
Start	204	End	413
GI	none	Score	52
Exons	204..359, 342..413		
Seq. No.	23839	Seq. ID	OJ991214_04.0114.C14
Gene No.	49672	Strand	+
Start	155	End	424
Name	OJ991214_04.0114.C14.o1.gs	Method	GENSCAN
Start	155	End	424
GI	none	Score	.4
Exons	155..424		
Seq. No.	23840	Seq. ID	OJ991214_04.0114.C15
Gene No.	49673	Strand	-
Start	8652	End	12258
Name	OJ991214_04.0114.C15.o2.gs	Method	GENSCAN
Start	8652	End	10521
GI	none	Score	.51
Exons	8652..8899, 9213..9349, 9731..9983, 10000..10180, 10216..10294, 10388..10521		
Seq. No.	23840	Seq. ID	OJ991214_04.0114.C15
Gene No.	49673	Strand	-
Start	8652	End	12258
Name	OJ991214_04.0114.C15.o1.np	Method	AAT/NAP
Start	9664	End	12258
GI	6069667	Score	1001
Exons	9664..9889, 9980..10180, 11047..11156, 11510..11617, 12111..12258		
GI Descrip.	(AP000616) similar to UMP/CMP kinase (AF000147) [Oryza sativa]		
Seq. No.	23841	Seq. ID	OJ991214_04.0114.C16
Gene No.	49674	Strand	-
Start	135	End	4312
Name	OJ991214_04.0114.C16.o1.gs	Method	GENSCAN
Start	135	End	4312
GI	none	Score	.63
Exons	135..391, 2012..2067, 2307..2470, 2717..2809, 2900..3085, 3184..3218, 3233..3285, 4172..4312		
Seq. No.	23841	Seq. ID	OJ991214_04.0114.C16
Gene No.	49675	Strand	-
Start	6352	End	6786

Name	OJ991214_04.0114.C16.o1.tm	Method	TBLASTX:Maize
Start	6349	End	6576
GI	none	Score	149
Exons	6349..6576, 6356..6553		

Seq. No.	23841	Seq. ID	OJ991214_04.0114.C16
Gene No.	49675	Strand	-
Start	6352	End	6786
Name	OJ991214_04.0114.C16.o1.tc	Method	TBLASTX:Cress
Start	6352	End	6585
GI	none	Score	90
Exons	6352..6519, 6353..6487, 6430..6585		

Seq. No.	23841	Seq. ID	OJ991214_04.0114.C16
Gene No.	49675	Strand	-
Start	6352	End	6786
Name	OJ991214_04.0114.C16.o2.gs	Method	GENSCAN
Start	6352	End	6786
GI	none	Score	1
Exons	6352..6786		

Seq. No.	23842	Seq. ID	OJ991214_04.0114.C17
Gene No.	49676	Strand	-
Start	1	End	2618
Name	OJ991214_04.0114.C17.o1.np	Method	AAT/NAP
Start	1	End	2326
GI	6523054	Score	179
Exons	1..234, 307..558, 2294..2326		
GI Descrip.	(AL133314) arm repeat containing protein homolog [Arabidopsis thaliana]		

Seq. No.	23842	Seq. ID	OJ991214_04.0114.C17
Gene No.	49676	Strand	-
Start	1	End	2618
Name	OJ991214_04.0114.C17.o1.gs	Method	GENSCAN
Start	70	End	1219
GI	none	Score	.4
Exons	70..700, 1203..1219		

Seq. No.	23842	Seq. ID	OJ991214_04.0114.C17
Gene No.	49676	Strand	-
Start	1	End	2618
Name	OJ991214_04.0114.C17.o1.tm	Method	TBLASTX:Maize
Start	160	End	577
GI	none	Score	297
Exons	160..252, 353..577, 358..576		

Seq. No.	23842	Seq. ID	OJ991214_04.0114.C17
Gene No.	49676	Strand	-
Start	1	End	2618
Name	OJ991214_04.0114.C17.o1.ts	Method	TBLASTX:Soybean
Start	356	End	576
GI	none	Score	184
Exons	356..565, 358..576		

Seq. No.	23842	Seq. ID	OJ991214_04.0114.C17
Gene No.	49676	Strand	-

Start	1	End	2618
Name	OJ991214_04.0114.C17.o1.tc	Method	TBLASTX:Cress
Start	358	End	571
GI	none	Score	165
Exons	358..564, 422..571		

Seq. No.	23842	Seq. ID	OJ991214_04.0114.C17
Gene No.	49676	Strand	-
Start	1	End	2618
Name	OJ991214_04.0114.C17.o1.tw	Method	TBLASTX:Wheat
Start	358	End	588
GI	none	Score	121
Exons	358..402, 389..574, 400..588		

Seq. No.	23842	Seq. ID	OJ991214_04.0114.C17
Gene No.	49676	Strand	-
Start	1	End	2618
Name	OJ991214_04.0114.C17.o2.gs	Method	GENSCAN
Start	2226	End	2618
GI	none	Score	.5
Exons	2226..2618		

Seq. No.	23843	Seq. ID	OJ991214_04.0114.C18
Gene No.	49677	Strand	-
Start	323	End	937
Name	OJ991214_04.0114.C18.o1.gs	Method	GENSCAN
Start	323	End	937
GI	none	Score	.5
Exons	323..484, 875..937		

Seq. No.	23844	Seq. ID	OJ991214_04.0114.C19
Gene No.	49678	Strand	+
Start	255	End	2070
Name	OJ991214_04.0114.C19.o1.gs	Method	GENSCAN
Start	255	End	2070
GI	none	Score	.82
Exons	255..314, 1115..1210, 1912..2070		

Seq. No.	23845	Seq. ID	OJ991214_04.0114.C21
Gene No.	49679	Strand	-
Start	181	End	467
Name	OJ991214_04.0114.C21.o1.gs	Method	GENSCAN
Start	181	End	467
GI	none	Score	.58
Exons	181..270, 384..467		

Seq. No.	23846	Seq. ID	OJ991214_07.0114.C2
Gene No.	49680	Strand	+
Start	111	End	15483
Name	OJ991214_07.0114.C2.o1.gs	Method	GENSCAN
Start	111	End	15483
GI	none	Score	.54
Exons	111..172, 2690..2822, 3789..3920, 5065..5167, 5180..5663, 5743..6114, 6223..6378, 8899..9122, 9828..9922, 11891..12007, 12066..12270, 13236..13324, 13433..13511, 13625..13752, 13960..14058, 14149..14257, 14497..14576, 14660..14887, 14964..15029, 15166..15282, 15424..15483		

Seq. No.	23846	Seq. ID	OJ991214_07.0114.C2
Gene No.	49680	Strand	+
Start	111	End	15483
Name	OJ991214_07.0114.C2.o3.np	Method	AAT/NAP
Start	4584	End	9248
GI	6598934	Score	930
Exons	4584..4660, 5247..5316, 5482..5663, 5743..6114, 6220..6378, 8899..9248		
GI Descrip.	(AC018721) unknown protein [Arabidopsis thaliana]		

Seq. No.	23846	Seq. ID	OJ991214_07.0114.C2
Gene No.	49680	Strand	+
Start	111	End	15483
Name	OJ991214_07.0114.C2.o1.gp	Method	AAT/GAP
Start	6084	End	9436
GI	22637_1.R1084	Score	1312
Exons	6084..6114, 6223..6378, 8899..9436		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	23846	Seq. ID	OJ991214_07.0114.C2
Gene No.	49680	Strand	+
Start	111	End	15483
Name	OJ991214_07.0114.C2.o4.np	Method	AAT/NAP
Start	11921	End	15282
GI	6016683	Score	1571
Exons	11921..11965, 12066..12270, 13236..13324, 13433..13511, 13625..13752, 13960..14058, 14149..14257, 14497..14576, 14660..14887, 14964..15029, 15166..15282		
GI Descrip.	(AC009991) putative clathrin heavy chain [Arabidopsis thaliana]		

Seq. No.	23846	Seq. ID	OJ991214_07.0114.C2
Gene No.	49681	Strand	-
Start	1	End	9496
Name	OJ991214_07.0114.C2.o2.np	Method	AAT/NAP
Start	1	End	6396
GI	6063557	Score	291
Exons	1..125, 2867..2999, 3223..3393, 6374..6396		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	23846	Seq. ID	OJ991214_07.0114.C2
Gene No.	49681	Strand	-
Start	1	End	9496
Name	OJ991214_07.0114.C2.o1.np	Method	AAT/NAP
Start	2028	End	2192
GI	6721512	Score	46
Exons	2028..2192		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	23846	Seq. ID	OJ991214_07.0114.C2
Gene No.	49681	Strand	-
Start	1	End	9496
Name	OJ991214_07.0114.C2.o2.tm	Method	TBLASTX:Maize
Start	5304	End	5577
GI	none	Score	313
Exons	5304..5576, 5335..5577		

Seq. No.	23846	Seq. ID	OJ991214_07.0114.C2
Gene No.	49681	Strand	-
Start	1	End	9496
Name	OJ991214_07.0114.C2.o2.tc	Method	TBLASTX:Cress
Start	5518	End	6349
GI	none	Score	99
Exons	5518..5667, 5562..5663, 5740..5832, 5741..5974, 6002..6088, 6257..6349		

Seq. No.	23846	Seq. ID	OJ991214_07.0114.C2
Gene No.	49681	Strand	-
Start	1	End	9496
Name	OJ991214_07.0114.C2.o1.tw	Method	TBLASTX:Wheat
Start	5620	End	6111
GI	none	Score	67
Exons	5620..5685, 5710..6105, 5741..6109, 6022..6111		

Seq. No.	23846	Seq. ID	OJ991214_07.0114.C2
Gene No.	49681	Strand	-
Start	1	End	9496
Name	OJ991214_07.0114.C2.o2.ts	Method	TBLASTX:Soybean
Start	5741	End	6112
GI	none	Score	157
Exons	5741..5917, 5767..5904, 5914..6111, 5915..6112		

Seq. No.	23846	Seq. ID	OJ991214_07.0114.C2
Gene No.	49681	Strand	-
Start	1	End	9496
Name	OJ991214_07.0114.C2.o1.tm	Method	TBLASTX:Maize
Start	5770	End	9496
GI	none	Score	565
Exons	5770..6114, 5771..6115, 6220..6378, 6221..6373, 8886..9008, 8896..9156, 8897..9157, 8897..9157, 9036..9161, 9125..9250, 9144..9239, 9146..9250, 9356..9496, 9422..9484		

Seq. No.	23846	Seq. ID	OJ991214_07.0114.C2
Gene No.	49681	Strand	-
Start	1	End	9496
Name	OJ991214_07.0114.C2.o3.ts	Method	TBLASTX:Soybean
Start	6245	End	9253
GI	none	Score	146
Exons	6245..6373, 6253..6378, 8909..9037, 9011..9160, 9037..9159, 9144..9239, 9149..9253		

Seq. No.	23846	Seq. ID	OJ991214_07.0114.C2
Gene No.	49681	Strand	-
Start	1	End	9496
Name	OJ991214_07.0114.C2.o4.tc	Method	TBLASTX:Cress
Start	8951	End	9224
GI	none	Score	126
Exons	8951..9148, 9037..9159, 9144..9224, 9152..9214		

Seq. No.	23846	Seq. ID	OJ991214_07.0114.C2
Gene No.	49682	Strand	
Start	11896	End	15282
Name	OJ991214_07.0114.C2.o3.tc	Method	TBLASTX:Cress

Start	11896	End	12263
GI	none	Score	40
Exons	11896..11958, 12060..12263, 12065..12262		

Seq. No.	23846	Seq. ID	OJ991214_07.0114.C2
Gene No.	49682	Strand	
Start	11896	End	15282
Name	OJ991214_07.0114.C2.o1.ts	Method	TBLASTX:Soybean
Start	12042	End	15282
GI	none	Score	279
Exons	12042..12269, 12077..12265, 13241..13342, 13246..13341, 13423..13509, 13429..13521, 13430..13513, 13624..13752, 13624..13752, 13933..14019, 13937..14047, 13941..14054, 13952..14047, 13957..14061, 13959..14060, 14146..14220, 14202..14258, 14203..14259, 14496..14549, 14497..14550, 14500..14550, 14530..14574, 14538..14579, 14539..14577, 14654..14890, 14656..14787, 14666..14887, 14682..14891, 14961..15032, 14963..15031, 15165..15281, 15166..15282, 15166..15282		

Seq. No.	23846	Seq. ID	OJ991214_07.0114.C2
Gene No.	49682	Strand	
Start	11896	End	15282
Name	OJ991214_07.0114.C2.o1.tc	Method	TBLASTX:Cress
Start	13940	End	14818
GI	none	Score	75
Exons	13940..14059, 13957..14061, 13957..14010, 13959..14060, 14146..14259, 14146..14256, 14148..14258, 14494..14577, 14496..14576, 14654..14818, 14656..14793		

Seq. No.	23847	Seq. ID	OJ991214_07.0114.C3
Gene No.	49683	Strand	+
Start	1	End	5333
Name	OJ991214_07.0114.C3.o1.np	Method	AAT/NAP
Start	1	End	5317
GI	6016683	Score	4990
Exons	1..68, 181..267, 372..455, 576..710, 790..852, 932..1036, 1127..1239, 1327..1579, 1668..1804, 1923..2201, 2305..3305, 3401..3886, 3974..4144, 4236..4421, 4769..4891, 4973..5083, 5174..5317		
GI Descrip.	(AC009991) putative clathrin heavy chain [Arabidopsis thaliana]		

Seq. No.	23847	Seq. ID	OJ991214_07.0114.C3
Gene No.	49683	Strand	+
Start	1	End	5333
Name	OJ991214_07.0114.C3.o1.ts	Method	TBLASTX:Soybean
Start	6	End	5309
GI	none	Score	111
Exons	6..68, 8..64, 178..267, 180..266, 360..458, 371..457, 572..706, 573..710, 574..705, 597..710, 784..852, 786..851, 787..852, 914..1039, 920..1036, 928..1038, 1121..1237, 1122..1238, 1123..1239, 1123..1239, 1124..1276, 1309..1578, 1322..1582, 1324..1581, 1325..1582, 1664..1816, 1667..1756, 1668..1805, 1920..2204, 1921..2205, 1921..2205, 2287..2472, 2300..2440, 2448..2597, 2448..2624, 2449..2601, 2601..3308, 2601..2657, 2608..3084, 2678..3298, 2694..3311, 3211..3312, 3396..3644, 3400..3735, 3401..3886, 3433..3882, 3717..3893, 3963..4025,		

3971..4153, 3971..4144, 4230..4424, 4233..4421, 4237..4422, 4766..4891, 4768..4890, 4967..5092, 4970..5113, 5171..5206, 5262..5309

Seq. No.	23847	Seq. ID	OJ991214_07.0114.C3
Gene No.	49683	Strand	+
Start	1	End	5333
Name	OJ991214_07.0114.C3.o1.gs	Method	GENSCAN
Start	45	End	5083
GI	none	Score	.94
Exons	45..68, 181..267, 372..455, 576..710, 790..852, 932..1036, 1127..1239, 1327..1579, 1668..1804, 1923..2201, 2606..3305, 3401..3886, 3974..4144, 4236..4421, 4973..5083		

Seq. No.	23847	Seq. ID	OJ991214_07.0114.C3
Gene No.	49683	Strand	+
Start	1	End	5333
Name	OJ991214_07.0114.C3.o2.tm	Method	TBLASTX:Maize
Start	374	End	1230
GI	none	Score	141
Exons	374..457, 375..458, 575..709, 597..710, 784..852, 789..854, 789..851, 910..1035, 914..1036, 918..1037, 928..1038, 1121..1228, 1122..1229, 1123..1230		

Seq. No.	23847	Seq. ID	OJ991214_07.0114.C3
Gene No.	49683	Strand	+
Start	1	End	5333
Name	OJ991214_07.0114.C3.o1.tm	Method	TBLASTX:Maize
Start	1411	End	5333
GI	none	Score	69
Exons	1411..1461, 1412..1450, 1439..1582, 1447..1581, 1461..1628, 1665..1808, 1668..1805, 1879..1959, 1920..1961, 1921..1962, 1950..2204, 1960..2205, 1963..2205, 2300..2440, 2307..2441, 2447..2599, 2447..2581, 2449..2601, 2449..2598, 2601..3308, 2601..3311, 3136..3318, 3388..3741, 3398..3892, 3401..3886, 3717..3893, 3920..4150, 3971..4153, 4230..4421, 4233..4421, 4234..4422, 4303..4422, 4735..4890, 4766..4891, 4766..4900, 4967..5092, 4968..5081, 4970..5113, 5169..5213, 5170..5217, 5200..5295, 5211..5294, 5221..5331, 5223..5333, 5223..5333		

Seq. No.	23847	Seq. ID	OJ991214_07.0114.C3
Gene No.	49683	Strand	+
Start	1	End	5333
Name	OJ991214_07.0114.C3.o2.tc	Method	TBLASTX:Cress
Start	1971	End	2556
GI	none	Score	113
Exons	1971..2198, 1971..2204, 1972..2205, 1972..2205, 2287..2472, 2300..2440, 2448..2549, 2449..2556, 2452..2553		

Seq. No.	23847	Seq. ID	OJ991214_07.0114.C3
Gene No.	49683	Strand	+
Start	1	End	5333
Name	OJ991214_07.0114.C3.o3.tc	Method	TBLASTX:Cress
Start	2557	End	2999
GI	none	Score	73
Exons	2557..2601, 2559..2624, 2601..2975, 2601..2657, 2678..2974, 2694..2975, 2719..2976, 2961..2999		

Seq. No.	23847	Seq. ID	OJ991214_07.0114.C3
Gene No.	49683	Strand	+
Start	1	End	5333
Name	OJ991214_07.0114.C3.o1.tc	Method	TBLASTX:Cress
Start	3104	End	5217
GI	none	Score	70
Exons	3104..3184, 3110..3298, 3111..3308, 3135..3311, 3136..3318, 3396..3647, 3401..3886, 3433..3885, 3971..4153, 3971..4150, 3972..4154, 4233..4421, 4238..4423, 4280..4420, 4300..4422, 4753..4884, 4766..4891, 4967..5074, 4970..5068, 5161..5217, 5170..5205		

Seq. No.	23847	Seq. ID	OJ991214_07.0114.C3
Gene No.	49683	Strand	+
Start	1	End	5333
Name	OJ991214_07.0114.C3.o1.gp	Method	AAT/GAP
Start	3159	End	3589
GI	426584	Score	603
Exons	3159..3305, 3401..3589		
GI Descrip.	1335862 8.0e-47 (U42608) clathrin heavy chain [Glycine max]		

Seq. No.	23847	Seq. ID	OJ991214_07.0114.C3
Gene No.	49683	Strand	+
Start	1	End	5333
Name	OJ991214_07.0114.C3.o2.gp	Method	AAT/GAP
Start	3957	End	4423
GI	5005228	Score	670
Exons	3957..4144, 4236..4423		
GI Descrip.	6016683/gb|AAF01510.1|AC009991_6 9.0e-50 (AC009991) putative clathrin heavy chain [Arabidopsis thaliana]		

Seq. No.	23847	Seq. ID	OJ991214_07.0114.C3
Gene No.	49683	Strand	+
Start	1	End	5333
Name	OJ991214_07.0114.C3.o1.tw	Method	TBLASTX:Wheat
Start	4366	End	5313
GI	none	Score	61
Exons	4366..4422, 4377..4421, 4762..4890, 4763..4891, 4772..4894, 4774..4893, 4920..5039, 4963..5082, 4967..5092, 4970..5110, 5158..5298, 5169..5297, 5220..5309, 5224..5313		

Seq. No.	23847	Seq. ID	OJ991214_07.0114.C3
Gene No.	49683	Strand	+
Start	1	End	5333
Name	OJ991214_07.0114.C3.o3.gp	Method	AAT/GAP
Start	5009	End	5333
GI	13704_1.R1084	Score	438
Exons	5009..5083, 5174..5333		
GI Descrip.	'1335862 3.0e-09 (U42608) clathrin heavy chain [Glycine max]'		

Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49684	Strand	+
Start	1	End	281
Name	OJ991214_07.0114.C4.o1.gp	Method	AAT/GAP
Start	1	End	281
GI	13704_1.R1084	Score	499

Exons	1..281		
GI Descrip.	'1335862 3.0e-09 (U42608) clathrin heavy chain [Glycine max]'		
Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49685	Strand	+
Start	3934	End	5647
Name	OJ991214_07.0114.C4.o2.gs	Method	GENSCAN
Start	3934	End	5647
GI	none	Score	.84
Exons	3934..4692, 4814..5057, 5349..5647		
Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49686	Strand	-
Start	1063	End	1630
Name	OJ991214_07.0114.C4.o1.gs	Method	GENSCAN
Start	1063	End	1428
GI	none	Score	.87
Exons	1063..1428		
Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49686	Strand	-
Start	1063	End	1630
Name	OJ991214_07.0114.C4.o1.np	Method	AAT/NAP
Start	1072	End	1630
GI	6143901	Score	176
Exons	1072..1630		
GI Descrip.	(AC010718) putative calmodulin [Arabidopsis thaliana]		
Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49687	Strand	-
Start	5033	End	7486
Name	OJ991214_07.0114.C4.o2.np	Method	AAT/NAP
Start	5033	End	7486
GI	6598436	Score	1245
Exons	5033..5079, 6143..7132, 7166..7486		
GI Descrip.	(AC004683) putative ammonium transporter [Arabidopsis thaliana]		
Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49687	Strand	-
Start	5033	End	7486
Name	OJ991214_07.0114.C4.o3.gs	Method	GENSCAN
Start	6092	End	7468
GI	none	Score	.97
Exons	6092..7468		
Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49688	Strand	-
Start	8134	End	11202
Name	OJ991214_07.0114.C4.o3.tw	Method	TBLASTX:Wheat
Start	1066	End	1506
GI	none	Score	54
Exons	1066..1170, 1246..1275, 1247..1297, 1248..1355, 1317..1370, 1318..1416, 1318..1440, 1444..1506, 1445..1498, 1458..1502		
Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49688	Strand	-
Start	8134	End	11202

Name	OJ991214_07.0114.C4.o1.ts	Method	TBLASTX:Soybean
Start	6531	End	7457
GI	none	Score	66
Exons	6531..6593, 6533..6601, 6593..6799, 6594..6800, 6821..7456, 6833..6907, 6912..7457		

Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49688	Strand	-
Start	8134	End	11202
Name	OJ991214_07.0114.C4.o1.tc	Method	TBLASTX:Cress
Start	6557	End	6800
GI	none	Score	192
Exons	6557..6799, 6558..6800		

Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49688	Strand	-
Start	8134	End	11202
Name	OJ991214_07.0114.C4.o2.tm	Method	TBLASTX:Maize
Start	6557	End	6799
GI	none	Score	226
Exons	6557..6799, 6558..6788		

Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49688	Strand	-
Start	8134	End	11202
Name	OJ991214_07.0114.C4.o2.tw	Method	TBLASTX:Wheat
Start	6626	End	6904
GI	none	Score	119
Exons	6626..6799, 6627..6800, 6752..6904, 6821..6904		

Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49688	Strand	-
Start	8134	End	11202
Name	OJ991214_07.0114.C4.o1.tm	Method	TBLASTX:Maize
Start	7019	End	7465
GI	none	Score	53
Exons	7019..7087, 7082..7465, 7199..7282, 7206..7463		

Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49688	Strand	-
Start	8134	End	11202
Name	OJ991214_07.0114.C4.o2.gp	Method	AAT/GAP
Start	8134	End	8871
GI	none	Score	808
Exons	8134..8291, 8343..8561, 8772..8871		

Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49688	Strand	-
Start	8134	End	11202
Name	OJ991214_07.0114.C4.o3.np	Method	AAT/NAP
Start	8421	End	10522
GI	5815233	Score	274
Exons	8421..8561, 8772..8848, 8932..9022, 9346..9406, 9503..9561, 9658..9748, 9966..10131, 10495..10522		
GI Descrip.	(AF173378) 60S acidic ribosomal protein PO [Homo sapiens]		

Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4

Gene No.	49688	Strand	-
Start	8134	End	11202
Name	OJ991214_07.0114.C4.o4.gs	Method	GENSCAN
Start	8436	End	11202
GI	none	Score	.83
Exons	8436..8561, 9346..9406, 9503..9561, 9658..9748, 9963..10180, 10300..10306, 10495..10592, 11140..11202		

Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49688	Strand	-
Start	8134	End	11202
Name	OJ991214_07.0114.C4.o3.tm	Method	TBLASTX:Maize
Start	8454	End	10137
GI	none	Score	122
Exons	8454..8561, 8473..8562, 8772..8855, 8772..8858, 8773..8862, 8930..9022, 8931..9023, 8931..9023, 9339..9401, 9341..9409, 9343..9408, 9502..9561, 9503..9562, 9658..9750, 9659..9751, 9660..9755, 9961..10020, 9980..10132, 10007..10087, 10026..10133, 10072..10137, 10081..10134		

Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49688	Strand	-
Start	8134	End	11202
Name	OJ991214_07.0114.C4.o2.ts	Method	TBLASTX:Soybean
Start	8793	End	10132
GI	none	Score	126
Exons	8793..8858, 8930..9025, 8931..9023, 9341..9430, 9343..9408, 9502..9558, 9503..9553, 9599..9751, 9655..9750, 9980..10111, 10106..10132		

Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49688	Strand	-
Start	8134	End	11202
Name	OJ991214_07.0114.C4.o1.tw	Method	TBLASTX:Wheat
Start	9339	End	10135
GI	none	Score	84
Exons	9339..9407, 9341..9409, 9343..9408, 9344..9409, 9502..9561, 9503..9562, 9658..9750, 9659..9748, 9953..10087, 9980..10135, 10026..10133		

Seq. No.	23848	Seq. ID	OJ991214_07.0114.C4
Gene No.	49688	Strand	-
Start	8134	End	11202
Name	OJ991214_07.0114.C4.o3.gp	Method	AAT/GAP
Start	9347	End	10595
GI	27320_1.R1084	Score	794
Exons	9347..9406, 9502..9561, 9658..9748, 9963..10131, 10495..10595		
GI Descrip.	'5815233/gb|AAD52608.1|AF173378_1 2.0e-17 (AF173378) 60S acidic ribosomal protein PO [Homo sapiens]'		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49689	Strand	+
Start	97	End	1014
Name	OJ991214_07.0114.C5.o1.gs	Method	GENSCAN
Start	97	End	1014
GI	none	Score	.56
Exons	97..163, 665..769, 799..1014		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49690	Strand	+
Start	6739	End	9369
Name	OJ991214_07.0114.C5.o3.gs	Method	GENSCAN
Start	6739	End	8919
GI	none	Score	.42
Exons	6739..8487, 8637..8738, 8818..8919		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49690	Strand	+
Start	6739	End	9369
Name	OJ991214_07.0114.C5.o2.np	Method	AAT/NAP
Start	7303	End	9369
GI	6069646	Score	801
Exons	7303..8097, 8386..9369		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49691	Strand	+
Start	12034	End	12177
Name	OJ991214_07.0114.C5.o5.gs	Method	GENSCAN
Start	12034	End	12177
GI	none	Score	.68
Exons	12034..12177		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49692	Strand	+
Start	12956	End	16896
Name	OJ991214_07.0114.C5.o7.gs	Method	GENSCAN
Start	12956	End	14103
GI	none	Score	.47
Exons	12956..13844, 13955..14103		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49692	Strand	+
Start	12956	End	16896
Name	OJ991214_07.0114.C5.o3.np	Method	AAT/NAP
Start	13094	End	16896
GI	6630696	Score	5919
Exons	13094..16896		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49692	Strand	+
Start	12956	End	16896
Name	OJ991214_07.0114.C5.o3.gp	Method	AAT/GAP
Start	13200	End	14029
GI	101595_1.R1084	Score	1118
Exons	13200..13839, 13955..14029		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to		

retrovirus-related POL polyproteins [Arabidopsis thaliana]'

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49692	Strand	+
Start	12956	End	16896
Name	OJ991214_07.0114.C5.o8.gs	Method	GENSCAN
Start	15229	End	16521
GI	none	Score	.4
Exons	15229..16521		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49693	Strand	-
Start	2739	End	6135
Name	OJ991214_07.0114.C5.o1.np	Method	AAT/NAP
Start	2702	End	5366
GI	2832661	Score	655
Exons	2702..2834, 3918..4061, 4156..4267, 4413..4612, 4655..4804, 4930..5366		
GI Descrip.	(AL021710) pherophorin - like protein [Arabidopsis thaliana]		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49693	Strand	-
Start	2739	End	6135
Name	OJ991214_07.0114.C5.o2.gs	Method	GENSCAN
Start	2739	End	6135
GI	none	Score	.74
Exons	2739..2834, 3918..4061, 4156..4321, 4413..4594, 4673..4804, 4930..5189, 5223..6135		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49693	Strand	-
Start	2739	End	6135
Name	OJ991214_07.0114.C5.o1.gp	Method	AAT/GAP
Start	4227	End	4978
GI	LIB3474-011-P1-K1-A11	Score	686
Exons	4227..4267, 4413..4594, 4673..4804, 4930..4978		
GI Descrip.	'2832661/emb|CAA16736| 2.0e-38 (AL021710) pherophorin - like protein [Arabidopsis thaliana]'		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49694	Strand	-
Start	9727	End	10838
Name	OJ991214_07.0114.C5.o4.gs	Method	GENSCAN
Start	9727	End	10757
GI	none	Score	.96
Exons	9727..10437, 10541..10587, 10679..10757		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49694	Strand	-
Start	9727	End	10838
Name	OJ991214_07.0114.C5.o2.gp	Method	AAT/GAP
Start	10186	End	10838
GI	702324	Score	818
Exons	10186..10437, 10541..10587, 10679..10838		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-

Start	12467	End	12746
Name	OJ991214_07.0114.C5.o7.tm	Method	TBLASTX:Maize
Start	2738	End	4254
GI	none	Score	68
Exons	2738..2836, 2751..2849, 2751..2834, 3918..4061, 3919..4062, 3919..4062, 3920..4063, 4147..4254, 4151..4240, 4158..4253		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-
Start	12467	End	12746
Name	OJ991214_07.0114.C5.o4.ts	Method	TBLASTX:Soybean
Start	2763	End	4444
GI	none	Score	133
Exons	2763..2834, 3918..4061, 3925..4062, 4012..4062, 4146..4274, 4147..4284, 4151..4240, 4158..4268, 4415..4444		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-
Start	12467	End	12746
Name	OJ991214_07.0114.C5.o8.tm	Method	TBLASTX:Maize
Start	4411	End	5029
GI	none	Score	190
Exons	4411..4590, 4414..4599, 4415..4615, 4415..4609, 4673..4723, 4724..4801, 4728..4853, 4740..4811, 4742..4813, 4925..5008, 4926..5006, 4928..5029		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-
Start	12467	End	12746
Name	OJ991214_07.0114.C5.o1.tc	Method	TBLASTX:Cress
Start	4415	End	5002
GI	none	Score	144
Exons	4415..4609, 4421..4594, 4510..4599, 4671..4811, 4673..4801, 4685..4813, 4698..4820, 4925..4978, 4926..4976, 4927..4980, 4928..5002		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-
Start	12467	End	12746
Name	OJ991214_07.0114.C5.o1.ts	Method	TBLASTX:Soybean
Start	4448	End	5098
GI	none	Score	69
Exons	4448..4609, 4451..4573, 4453..4599, 4672..4692, 4673..4801, 4685..4813, 4698..4805, 4927..4962, 4929..4961, 4964..5017, 4970..5098, 5023..5097		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-
Start	12467	End	12746
Name	OJ991214_07.0114.C5.o2.tm	Method	TBLASTX:Maize
Start	5386	End	5998
GI	none	Score	207
Exons	5386..5637, 5387..5671, 5630..5716, 5635..5757, 5636..5722, 5767..5907, 5778..5894, 5899..5997, 5902..5991, 5921..5998		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-

Start	12467	End	12746
Name	OJ991214_07.0114.C5.o3.tc	Method	TBLASTX:Cress
Start	5950	End	10254
GI	none	Score	140
Exons	5950..6249, 5960..6199, 10156..10254		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-
Start	12467	End	12746
Name	OJ991214_07.0114.C5.o3.ts	Method	TBLASTX:Soybean
Start	5950	End	9795
GI	none	Score	262
Exons	5950..6231, 5951..6247, 9730..9795		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-
Start	12467	End	12746
Name	OJ991214_07.0114.C5.o12.tm	Method	TBLASTX:Maize
Start	5999	End	6205
GI	none	Score	138
Exons	5999..6115, 6001..6204, 6002..6205		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-
Start	12467	End	12746
Name	OJ991214_07.0114.C5.o9.tm	Method	TBLASTX:Maize
Start	6691	End	7080
GI	none	Score	282
Exons	6691..7080, 6733..6792, 6825..6959		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-
Start	12467	End	12746
Name	OJ991214_07.0114.C5.o6.tm	Method	TBLASTX:Maize
Start	7288	End	7632
GI	none	Score	321
Exons	7288..7632, 7290..7631		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-
Start	12467	End	12746
Name	OJ991214_07.0114.C5.o8.tw	Method	TBLASTX:Wheat
Start	7294	End	7635
GI	none	Score	149
Exons	7294..7551, 7363..7542, 7558..7635		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-
Start	12467	End	12746
Name	OJ991214_07.0114.C5.o1.tm	Method	TBLASTX:Maize
Start	7632	End	8319
GI	none	Score	542
Exons	7632..7787, 7633..8319, 8067..8237, 8137..8313, 8262..8318		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-
Start	12467	End	12746

Name	OJ991214_07.0114.C5.o6.tw	Method	TBLASTX:Wheat
Start	7965	End	8406
GI	none	Score	220
Exons	7965..8237, 7966..8262, 8346..8402, 8350..8406		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-
Start	12467	End	12746
Name	OJ991214_07.0114.C5.o13.tm	Method	TBLASTX:Maize
Start	8383	End	8663
GI	none	Score	78
Exons	8383..8442, 8448..8561, 8574..8663		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-
Start	12467	End	12746
Name	OJ991214_07.0114.C5.o15.tm	Method	TBLASTX:Maize
Start	8757	End	9251
GI	none	Score	165
Exons	8757..9077, 9105..9251		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-
Start	12467	End	12746
Name	OJ991214_07.0114.C5.o6.ts	Method	TBLASTX:Soybean
Start	9871	End	10080
GI	none	Score	69
Exons	9871..10080, 9932..9982		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-
Start	12467	End	12746
Name	OJ991214_07.0114.C5.o14.tm	Method	TBLASTX:Maize
Start	10257	End	10785
GI	none	Score	94
Exons	10257..10358, 10258..10371, 10264..10371, 10360..10410, 10376..10438, 10540..10587, 10541..10588, 10681..10776, 10689..10778, 10705..10785		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49695	Strand	-
Start	12467	End	12746
Name	OJ991214_07.0114.C5.o6.gs	Method	GENSCAN
Start	12467	End	12746
GI	none	Score	.89
Exons	12467..12594, 12665..12746		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49696	Strand	
Start	12989	End	13444
Name	OJ991214_07.0114.C5.o4.tw	Method	TBLASTX:Wheat
Start	12989	End	13385
GI	none	Score	125
Exons	12989..13123, 13006..13086, 13163..13384, 13174..13365, 13203..13385		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5

Gene No.	49696	Strand	
Start	12989	End	13444
Name	OJ991214_07.0114.C5.o11.tm	Method	TBLASTX:Maize
Start	13160	End	13444
GI	none	Score	272
Exons	13160..13444, 13183..13365, 13250..13441		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49697	Strand	
Start	13931	End	14335
Name	OJ991214_07.0114.C5.o3.tm	Method	TBLASTX:Maize
Start	13931	End	14335
GI	none	Score	397
Exons	13931..14275, 13954..14238, 13955..14254, 14273..14335		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49698	Strand	
Start	14423	End	15477
Name	OJ991214_07.0114.C5.o10.tm	Method	TBLASTX:Maize
Start	14423	End	14887
GI	none	Score	279
Exons	14423..14887		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49698	Strand	
Start	14423	End	15477
Name	OJ991214_07.0114.C5.o5.tw	Method	TBLASTX:Wheat
Start	14530	End	14729
GI	none	Score	268
Exons	14530..14727, 14531..14728, 14538..14729		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49698	Strand	
Start	14423	End	15477
Name	OJ991214_07.0114.C5.o5.ts	Method	TBLASTX:Soybean
Start	14675	End	15079
GI	none	Score	182
Exons	14675..14896, 14746..14937, 14900..15079		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49698	Strand	
Start	14423	End	15477
Name	OJ991214_07.0114.C5.o1.tw	Method	TBLASTX:Wheat
Start	14730	End	15477
GI	none	Score	554
Exons	14730..14888, 14731..15159, 14732..15145, 15142..15477, 15294..15473		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49699	Strand	
Start	15397	End	16760
Name	OJ991214_07.0114.C5.o2.ts	Method	TBLASTX:Soybean
Start	15397	End	15861
GI	5509260	Score	375
Exons	15397..15861, 15492..15653		
GI Descrip.	-		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49699	Strand	
Start	15397	End	16760
Name	OJ991214_07.0114.C5.o2.tc	Method	TBLASTX:Cress
Start	15490	End	15741
GI	none	Score	279
Exons	15490..15741, 15490..15609, 15492..15662		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49699	Strand	
Start	15397	End	16760
Name	OJ991214_07.0114.C5.o4.tm	Method	TBLASTX:Maize
Start	15531	End	15996
GI	none	Score	341
Exons	15531..15662, 15532..15996, 15689..15748, 15783..15893		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49699	Strand	
Start	15397	End	16760
Name	OJ991214_07.0114.C5.o3.tw	Method	TBLASTX:Wheat
Start	15532	End	16077
GI	none	Score	296
Exons	15532..15876, 15549..15710, 15871..16077		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49699	Strand	
Start	15397	End	16760
Name	OJ991214_07.0114.C5.o7.ts	Method	TBLASTX:Soybean
Start	15930	End	16281
GI	none	Score	132
Exons	15930..16058, 15931..16089, 16090..16278, 16092..16277, 16099..16281		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49699	Strand	
Start	15397	End	16760
Name	OJ991214_07.0114.C5.o5.tm	Method	TBLASTX:Maize
Start	16081	End	16428
GI	none	Score	331
Exons	16081..16428, 16087..16425, 16095..16427		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49699	Strand	
Start	15397	End	16760
Name	OJ991214_07.0114.C5.o2.tw	Method	TBLASTX:Wheat
Start	16285	End	16760
GI	none	Score	109
Exons	16285..16365, 16286..16354, 16290..16373, 16290..16358, 16374..16553, 16375..16758, 16375..16731, 16647..16760		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49699	Strand	
Start	15397	End	16760
Name	OJ991214_07.0114.C5.o8.ts	Method	TBLASTX:Soybean
Start	16291	End	16632
GI	none	Score	87
Exons	16291..16404, 16326..16385, 16423..16632, 16428..16517		

Seq. No.	23849	Seq. ID	OJ991214_07.0114.C5
Gene No.	49700	Strand	
Start	17035	End	17387
Name	OJ991214_07.0114.C5.o7.tw	Method	TBLASTX:Wheat
Start	17035	End	17387
GI	none	Score	59
Exons	17035..17106, 17036..17107, 17085..17177, 17108..17179, 17110..17190, 17116..17178, 17178..17252, 17179..17256, 17181..17249, 17183..17257, 17268..17387, 17279..17335, 17283..17357		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49701	Strand	+
Start	7474	End	7759
Name	OJ991214_07.0114.C6.o1.gp	Method	AAT/GAP
Start	7474	End	7759
GI	3762906	Score	536
Exons	7474..7759		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49702	Strand	+
Start	17259	End	17734
Name	OJ991214_07.0114.C6.o8.gp	Method	AAT/GAP
Start	17259	End	17734
GI	none	Score	439
Exons	17259..17481, 17655..17734		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49703	Strand	-
Start	5713	End	6443
Name	OJ991214_07.0114.C6.o2.gs	Method	GENSCAN
Start	5713	End	6443
GI	none	Score	.64
Exons	5713..5918, 6401..6443		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o2.tm	Method	TBLASTX:Maize
Start	754	End	1922
GI	none	Score	248
Exons	754..1014, 801..1016, 1054..1215, 1099..1215, 1106..1216, 1332..1457, 1333..1464, 1591..1716, 1596..1751, 1620..1766, 1621..1776, 1878..1922, 1880..1921		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o3.tc	Method	TBLASTX:Cress
Start	1097	End	1403
GI	none	Score	92
Exons	1097..1216, 1102..1215, 1332..1403, 1333..1395		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358

Name	OJ991214_07.0114.C6.o2.gp	Method	AAT/GAP
Start	7769	End	8165
GI	LIB3434-018-P1-K1-D7	Score	578
Exons	7769..8165		
GI Descrip.	'3395440 5.0e-22 (AC004683) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o3.gs	Method	GENSCAN
Start	7804	End	20358
GI	none	Score	.77
Exons	7804..8224, 8461..8629, 8745..8781, 8913..8989, 9207..9585, 9927..10016, 12533..12571, 13450..13768, 13810..13958, 14365..14847, 15485..15943, 17007..17079, 17914..18334, 18441..18573, 18644..18834, 19042..19322, 19482..19604, 20054..20153, 20265..20358		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o3.gp	Method	AAT/GAP
Start	8588	End	8986
GI	LIB3434-018-P1-K1-D7	Score	164
Exons	8588..8629, 8745..8781, 8913..8986		
GI Descrip.	'3395440 5.0e-22 (AC004683) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o4.gp	Method	AAT/GAP
Start	12781	End	13037
GI	none	Score	388
Exons	12781..13037		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o1.tm	Method	TBLASTX:Maize
Start	13281	End	14621
GI	none	Score	95
Exons	13281..13370, 13284..13370, 13285..13401, 13447..13488, 13451..13489, 13490..13702, 13492..13755, 13493..13702, 13521..13736, 13735..13959, 13742..13960, 13743..13961, 13749..13967, 14359..14511, 14363..14506, 14512..14619, 14513..14620, 14529..14621		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o1.np	Method	AAT/NAP
Start	13287	End	16009
GI	6016688	Score	974
Exons	13287..13367, 13450..13719, 13746..13958, 14365..14847, 15485..16009		

GI Descrip. (AC009991) unknown protein [Arabidopsis thaliana]

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o2.tc	Method	TBLASTX:Cress
Start	13299	End	13675
GI	none	Score	68
Exons	13299..13370, 13423..13650, 13447..13674, 13448..13675		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o5.gp	Method	AAT/GAP
Start	14563	End	14752
GI	6025108	Score	309
Exons	14563..14752		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o4.tm	Method	TBLASTX:Maize
Start	14622	End	14851
GI	none	Score	296
Exons	14622..14849, 14623..14850, 14624..14851		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o5.tm	Method	TBLASTX:Maize
Start	15548	End	15823
GI	none	Score	192
Exons	15548..15619, 15551..15790, 15577..15699, 15695..15790, 15750..15791, 15791..15823		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o6.gp	Method	AAT/GAP
Start	15705	End	16046
GI	2427532	Score	565
Exons	15705..16046		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o9.gp	Method	AAT/GAP
Start	17605	End	18310
GI	32935_1.R1084	Score	1328
Exons	17605..18310		

GI Descrip. '4539383/emb|CAB37449.1| 9.0e-25 (AL035526) putative protein (fragment) [Arabidopsis thaliana]'

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o2.np	Method	AAT/NAP

Start	17757	End	19149
GI	4539383	Score	659
Exons	17757..18352, 18435..18573, 18644..18834, 19042..19149		
GI Descrip.	(AL035526) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o1.ts	Method	TBLASTX:Soybean
Start	17763	End	18550
GI	none	Score	43
Exons	17763..17876, 18009..18116, 18120..18206, 18151..18249, 18241..18342, 18252..18335, 18442..18549, 18448..18549, 18452..18550		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o3.tm	Method	TBLASTX:Maize
Start	18066	End	19154
GI	none	Score	114
Exons	18066..18116, 18108..18206, 18252..18323, 18436..18585, 18464..18562, 18639..18836, 18641..18835, 19040..19117, 19041..19154		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o1.tc	Method	TBLASTX:Cress
Start	18431	End	19124
GI	none	Score	108
Exons	18431..18562, 18436..18558, 18436..18576, 18452..18574, 18641..18835, 18702..18845, 19040..19117, 19041..19124		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o10.gp	Method	AAT/GAP
Start	18450	End	19328
GI	34101_1.R1084	Score	1059
Exons	18450..18573, 18644..18834, 19042..19328		
GI Descrip.	'6016683/gb|AAF01510.1|AC009991_6 9.0e-50 (AC009991) putative clathrin heavy chain [Arabidopsis thaliana]'		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358
Name	OJ991214_07.0114.C6.o11.gp	Method	AAT/GAP
Start	18470	End	19398
GI	34101_1.R1084	Score	1014
Exons	18470..18573, 18644..18834, 19042..19322, 19376..19398		
GI Descrip.	'6016683/gb|AAF01510.1|AC009991_6 9.0e-50 (AC009991) putative clathrin heavy chain [Arabidopsis thaliana]'		

Seq. No.	23850	Seq. ID	OJ991214_07.0114.C6
Gene No.	49704	Strand	-
Start	7804	End	20358

Name	OJ991214_07.0114.C6.o12.gp	Method	AAT/GAP
Start	18677	End	19605
GI	34101_1.R1084	Score	961
Exons	18677..18834, 19042..19322, 19482..19605		
GI Descrip.	'6016683/gb|AAF01510.1|AC009991_6 9.0e-50 (AC009991) putative clathrin heavy chain [Arabidopsis thaliana]'		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49705	Strand	+
Start	13838	End	17760
Name	OJ991214_07.0114.C7.o2.gs	Method	GENSCAN
Start	13838	End	17760
GI	none	Score	.85
Exons	13838..13908, 14000..14204, 14522..14665, 15177..15318, 15886..16014, 17025..17136, 17604..17760		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49706	Strand	+
Start	20208	End	21374
Name	OJ991214_07.0114.C7.o3.np	Method	AAT/NAP
Start	20208	End	21374
GI	3150407	Score	397
Exons	20208..20613, 21216..21374		
GI Descrip.	(AC004165) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o1.gs	Method	GENSCAN
Start	1271	End	13072
GI	none	Score	.69
Exons	1271..1646, 1784..1845, 2143..2718, 2900..3332, 3542..4410, 4505..5299, 6207..6424, 7127..7476, 7571..7635, 8224..8447, 10128..10191, 10305..10370, 10504..10667, 11318..11405, 11508..11568, 11649..11732, 12439..12723, 12996..13072		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o3.ts	Method	TBLASTX:Soybean
Start	1983	End	3172
GI	none	Score	406
Exons	1983..2000, 2122..2727, 2126..2719, 2128..2721, 2463..2726, 2895..2966, 2898..3152, 2900..3172, 2900..3160, 3021..3161		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o1.tm	Method	TBLASTX:Maize
Start	2115	End	4393
GI	none	Score	619
Exons	2115..2555, 2116..2721, 2122..2727, 2259..2729, 2893..2958, 2895..2984, 2900..3331, 2900..3337, 3112..3333, 3541..3627, 3541..4392, 3545..4393		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-

Start	1271	End	13072
Name	OJ991214_07.0114.C7.o2.tw	Method	TBLASTX:Wheat
Start	2120	End	2509
GI	none	Score	450
Exons	2120..2176, 2122..2508, 2122..2508, 2258..2509		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o4.tc	Method	TBLASTX:Cress
Start	2122	End	2547
GI	none	Score	244
Exons	2122..2523, 2128..2547, 2276..2545		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o1.np	Method	AAT/NAP
Start	2125	End	7364
GI	401237	Score	4710
Exons	2125..2718, 2900..3332, 3542..4410, 4505..5299, 6207..6424, 7127..7364		
GI Descrip.	UBIQUITIN-ACTIVATING ENZYME E1 2 gi|170684 (M90663) ubiquitin activating enyme [Triticum aestivum]		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o1.gp	Method	AAT/GAP
Start	2462	End	3837
GI	31454_1.R1084	Score	1805
Exons	2462..2718, 2900..3332, 3542..3837		
GI Descrip.	'401237/sp|P31251|UBA2_WHEAT 1.0e-142 UBIQUITIN-ACTIVATING ENZYME E1 2 >gi_170684 (M90663) ubiquitin activating enyme [Triticum aestivum]'		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o6.tc	Method	TBLASTX:Cress
Start	2548	End	3205
GI	none	Score	133
Exons	2548..2727, 2549..2719, 2551..2721, 2561..2728, 2565..2729, 2898..2936, 2900..3199, 2900..3205, 3015..3203		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o6.ts	Method	TBLASTX:Soybean
Start	3173	End	3667
GI	none	Score	160
Exons	3173..3337, 3198..3332, 3539..3658, 3541..3666, 3545..3667		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o1.tc	Method	TBLASTX:Cress

Start	3206	End	3994
GI	none	Score	122
Exons	3206..3337, 3207..3335, 3541..3993, 3542..3991, 3686..3994, 3691..3993		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o2.ts	Method	TBLASTX:Soybean
Start	3673	End	4357
GI	none	Score	182
Exons	3673..3822, 3674..3823, 3818..4357, 3818..4021, 3823..4356		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o1.tw	Method	TBLASTX:Wheat
Start	3928	End	6392
GI	none	Score	328
Exons	3928..4311, 3929..4312, 4203..4316, 6246..6392		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o2.gp	Method	AAT/GAP
Start	4009	End	4408
GI	uC-osflm202102h02b1	Score	752
Exons	4009..4408		
GI Descrip.	'136632/sp|P20973|UBA1_WHEAT 7.0e-45 UBIQUITIN-ACTIVATING ENZYME E1 1 >gi_100841_pir__A38373 ubiquitin--protein ligase (EC 6.3.2.19) E1 - wheat >gi_285451_pir__A42873 ubiquitin-activating enzyme E1, UBA1 - Wheat >gi_170780 (M55604) ubiquitin-activating enzyme E1 [Triticum aestivum]'		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o3.tc	Method	TBLASTX:Cress
Start	4015	End	4565
GI	none	Score	271
Exons	4015..4422, 4015..4419, 4203..4430, 4529..4564, 4530..4565		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o1.ts	Method	TBLASTX:Soybean
Start	4360	End	6327
GI	none	Score	64
Exons	4360..4416, 4360..4419, 4505..5308, 4512..4616, 4680..5300, 4872..5315, 6163..6327, 6207..6323		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o2.tm	Method	TBLASTX:Maize
Start	4571	End	5299
GI	none	Score	847

Exons	4571..5296, 4572..5297, 4573..5298, 5078..5299		
Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o2.tc	Method	TBLASTX:Cress
Start	4718	End	5180
GI	none	Score	420
Exons	4718..5173, 4719..5180		
Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o3.gp	Method	AAT/GAP
Start	4804	End	5269
GI	uC-osf1M202083c01b1	Score	892
Exons	4804..5269		
GI Descrip.	'401237/sp|P31251|UBA2_WHEAT 1.0e-79 UBIQUITIN-ACTIVATING ENZYME E1 2 >gi_170684 (M90663) ubiquitin activating enyme [Triticum aestivum]'		
Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o8.tc	Method	TBLASTX:Cress
Start	5180	End	7184
GI	none	Score	81
Exons	5180..5308, 5187..5297, 6228..6425, 6238..6426, 7077..7184, 7129..7179		
Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o5.tm	Method	TBLASTX:Maize
Start	6262	End	7371
GI	none	Score	194
Exons	6262..6423, 6263..6418, 6264..6425, 7077..7256, 7128..7250, 7129..7263, 7327..7371		
Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o7.ts	Method	TBLASTX:Soybean
Start	6375	End	7248
GI	none	Score	72
Exons	6375..6425, 6382..6426, 7077..7247, 7125..7244, 7129..7248		
Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o4.gp	Method	AAT/GAP
Start	9523	End	10569
GI	676_1.R1084	Score	1312
Exons	9523..10021, 10128..10191, 10305..10370, 10504..10569		
GI Descrip.	'2130127/pir||S66524 5.0e-33 ferritin 1 precursor - maize >gi_1103628_emb_CAA58146_ (X83076) ferritin [Zea mays]'		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o5.ts	Method	TBLASTX:Soybean
Start	9978	End	12572
GI	none	Score	39
Exons	9978..10019, 9993..10016, 10115..10225, 10126..10194, 10299..10370, 10303..10371, 10393..10443, 10501..10566, 10502..10567, 11308..11409, 11319..11408, 11508..11570, 11647..11733, 11648..11734, 12345..12572, 12439..12570		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o2.np	Method	AAT/NAP
Start	9981	End	12836
GI	120507	Score	830
Exons	9981..10021, 10128..10191, 10305..10370, 10504..10565, 11318..11405, 11508..11568, 11649..11732, 12439..12836		
GI Descrip.	FERRITIN 1 PRECURSOR gi|82687|pir||S22498 ferritin precursor (clone FM1) - maize (fragment) gi|22276|emb|CAA43663| (X61391) ferritin [Zea mays]		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o4.tm	Method	TBLASTX:Maize
Start	9983	End	12602
GI	none	Score	115
Exons	9983..10021, 10088..10225, 10126..10194, 10299..10370, 10303..10371, 10393..10443, 10501..10566, 10501..10566, 10502..10591, 10502..10576, 11308..11406, 11319..11408, 11508..11567, 11508..11570, 11647..11730, 11648..11734, 11649..11735, 12345..12578, 12439..12579, 12567..12602		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o7.tc	Method	TBLASTX:Cress
Start	9993	End	12573
GI	none	Score	99
Exons	9993..10016, 10115..10192, 10126..10194, 10299..10370, 10501..10566, 10502..10591, 11319..11408, 11323..11409, 11508..11570, 11647..11733, 11648..11734, 11649..11735, 12345..12572, 12439..12573		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49707	Strand	-
Start	1271	End	13072
Name	OJ991214_07.0114.C7.o5.gp	Method	AAT/GAP
Start	11292	End	12817
GI	7612_2.R1084	Score	1080
Exons	11292..11405, 11508..11568, 11649..11732, 12439..12817		
GI Descrip.	'2130127/pir||S66524 8.0e-65 ferritin 1 precursor - maize >gi_1103628_emb_CAA58146_ (X83076) ferritin [Zea mays]'		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7

Gene No.	49708	Strand	
Start	20208	End	20504
Name	OJ991214_07.0114.C7.o3.tm	Method	TBLASTX:Maize
Start	20208	End	20459
GI	none	Score	320
Exons	20208..20459, 20228..20344, 20280..20438, 20408..20458		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49708	Strand	
Start	20208	End	20504
Name	OJ991214_07.0114.C7.o5.tc	Method	TBLASTX:Cress
Start	20211	End	20504
GI	none	Score	385
Exons	20211..20504, 20228..20344, 20289..20366, 20408..20497		

Seq. No.	23851	Seq. ID	OJ991214_07.0114.C7
Gene No.	49708	Strand	
Start	20208	End	20504
Name	OJ991214_07.0114.C7.o4.ts	Method	TBLASTX:Soybean
Start	20220	End	20501
GI	none	Score	325
Exons	20220..20501, 20231..20473		

Seq. No.	23852	Seq. ID	OJ991214_07.0114.C8
Gene No.	49709	Strand	+
Start	2445	End	5786
Name	OJ991214_07.0114.C8.o1.gp	Method	AAT/GAP
Start	2445	End	2806
GI	568508	Score	720
Exons	2445..2806		

Seq. No.	23852	Seq. ID	OJ991214_07.0114.C8
Gene No.	49709	Strand	+
Start	2445	End	5786
Name	OJ991214_07.0114.C8.o1.gs	Method	GENSCAN
Start	2511	End	5780
GI	none	Score	.71
Exons	2511..3130, 4245..4416, 4514..4722, 4932..5090, 5432..5780		

Seq. No.	23852	Seq. ID	OJ991214_07.0114.C8
Gene No.	49709	Strand	+
Start	2445	End	5786
Name	OJ991214_07.0114.C8.o1.np	Method	AAT/NAP
Start	2667	End	5786
GI	3395440	Score	873
Exons	2667..2798, 2942..3130, 4245..4416, 4514..4691, 4913..5090, 5432..5786		
GI Descrip.	(AC004683) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23852	Seq. ID	OJ991214_07.0114.C8
Gene No.	49709	Strand	+
Start	2445	End	5786
Name	OJ991214_07.0114.C8.o2.gp	Method	AAT/GAP
Start	3702	End	4618
GI	2427886	Score	677
Exons	3702..3794, 4245..4416, 4514..4618		
GI Descrip.	3395440 5.0e-22 (AC004683) hypothetical protein [Arabidopsis		

thaliana]

Seq. No.	23852	Seq. ID	OJ991214_07.0114.C8
Gene No.	49710	Strand	+
Start	6354	End	6665
Name	OJ991214_07.0114.C8.o2.gs	Method	GENSCAN
Start	6354	End	6665
GI	none	Score	.93
Exons	6354..6665		

Seq. No.	23852	Seq. ID	OJ991214_07.0114.C8
Gene No.	49711	Strand	+
Start	9603	End	10093
Name	OJ991214_07.0114.C8.o2.np	Method	AAT/NAP
Start	9570	End	10093
GI	6016721	Score	304
Exons	9570..10093		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23852	Seq. ID	OJ991214_07.0114.C8
Gene No.	49711	Strand	+
Start	9603	End	10093
Name	OJ991214_07.0114.C8.o4.gs	Method	GENSCAN
Start	9603	End	9971
GI	none	Score	.96
Exons	9603..9971		

Seq. No.	23852	Seq. ID	OJ991214_07.0114.C8
Gene No.	49712	Strand	-
Start	7021	End	7946
Name	OJ991214_07.0114.C8.o1.tm	Method	TBLASTX:Maize
Start	2645	End	5777
GI	none	Score	152
Exons	2645..2749, 2646..2795, 2834..2863, 2870..2908, 2879..2926, 2964..3116, 2966..3115, 2970..3116, 2980..3117, 4229..4348, 4242..4358, 4242..4364, 4243..4371, 4363..4413, 4363..4419, 4371..4421, 4476..4640, 4513..4725, 4514..4723, 4517..4726, 4887..5090, 4888..5100, 4934..5101, 4996..5100, 5427..5777, 5427..5753, 5465..5758		

Seq. No.	23852	Seq. ID	OJ991214_07.0114.C8
Gene No.	49712	Strand	-
Start	7021	End	7946
Name	OJ991214_07.0114.C8.o2.tw	Method	TBLASTX:Wheat
Start	2669	End	3080
GI	none	Score	132
Exons	2669..2749, 2670..2795, 2876..2923, 2877..2924, 2879..2896, 2964..3080, 2966..3079, 2970..3080		

Seq. No.	23852	Seq. ID	OJ991214_07.0114.C8
Gene No.	49712	Strand	-
Start	7021	End	7946
Name	OJ991214_07.0114.C8.o1.tw	Method	TBLASTX:Wheat
Start	3087	End	4692
GI	none	Score	78
Exons	3087..3134, 3087..3131, 4242..4346, 4242..4397, 4243..4410, 4508..4687, 4513..4692		

Seq. No.	23852	Seq. ID	OJ991214_07.0114.C8
Gene No.	49712	Strand	-
Start	7021	End	7946
Name	OJ991214_07.0114.C8.o1.ts	Method	TBLASTX:Soybean
Start	3090	End	4678
GI	none	Score	79
Exons	3090..3134, 4239..4421, 4243..4413, 4511..4678, 4513..4671		

Seq. No.	23852	Seq. ID	OJ991214_07.0114.C8
Gene No.	49712	Strand	-
Start	7021	End	7946
Name	OJ991214_07.0114.C8.o2.tc	Method	TBLASTX:Cress
Start	4522	End	4719
GI	none	Score	182
Exons	4522..4719, 4523..4687		

Seq. No.	23852	Seq. ID	OJ991214_07.0114.C8
Gene No.	49712	Strand	-
Start	7021	End	7946
Name	OJ991214_07.0114.C8.o1.tc	Method	TBLASTX:Cress
Start	4972	End	5768
GI	none	Score	81
Exons	4972..5091, 5430..5573, 5557..5745, 5562..5768, 5594..5752, 5595..5756		

Seq. No.	23852	Seq. ID	OJ991214_07.0114.C8
Gene No.	49712	Strand	-
Start	7021	End	7946
Name	OJ991214_07.0114.C8.o2.ts	Method	TBLASTX:Soybean
Start	5430	End	5728
GI	none	Score	267
Exons	5430..5726, 5570..5728, 5573..5728		

Seq. No.	23852	Seq. ID	OJ991214_07.0114.C8
Gene No.	49712	Strand	-
Start	7021	End	7946
Name	OJ991214_07.0114.C8.o3.gs	Method	GENSCAN
Start	7021	End	7946
GI	none	Score	.66
Exons	7021..7057, 7726..7946		

Seq. No.	23852	Seq. ID	OJ991214_07.0114.C8
Gene No.	49713	Strand	
Start	9662	End	9851
Name	OJ991214_07.0114.C8.o2.tm	Method	TBLASTX:Maize
Start	9662	End	9851
GI	none	Score	252
Exons	9662..9850, 9690..9851, 9774..9851		

Seq. No.	23852	Seq. ID	OJ991214_07.0114.C8
Gene No.	49713	Strand	
Start	9662	End	9851
Name	OJ991214_07.0114.C8.o3.ts	Method	TBLASTX:Soybean
Start	9690	End	9851
GI	none	Score	210
Exons	9690..9851, 9695..9850, 9774..9851		

Seq. No.	23853	Seq. ID	OJ991214_06.0114.C1
Gene No.	49714	Strand	+
Start	1	End	1003
Name	OJ991214_06.0114.C1.o1.np	Method	AAT/NAP
Start	1	End	1003
GI	4680179	Score	1671
Exons	1..1003		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23853	Seq. ID	OJ991214_06.0114.C1
Gene No.	49714	Strand	+
Start	1	End	1003
Name	OJ991214_06.0114.C1.o1.tm	Method	TBLASTX:Maize
Start	3	End	258
GI	none	Score	196
Exons	3..149, 4..258		

Seq. No.	23853	Seq. ID	OJ991214_06.0114.C1
Gene No.	49714	Strand	+
Start	1	End	1003
Name	OJ991214_06.0114.C1.o2.tw	Method	TBLASTX:Wheat
Start	3	End	324
GI	none	Score	226
Exons	3..170, 4..258, 31..216, 229..324, 297..323		

Seq. No.	23853	Seq. ID	OJ991214_06.0114.C1
Gene No.	49714	Strand	+
Start	1	End	1003
Name	OJ991214_06.0114.C1.o1.gs	Method	GENSCAN
Start	95	End	993
GI	none	Score	.83
Exons	95..652, 890..993		

Seq. No.	23853	Seq. ID	OJ991214_06.0114.C1
Gene No.	49714	Strand	+
Start	1	End	1003
Name	OJ991214_06.0114.C1.o2.tm	Method	TBLASTX:Maize
Start	598	End	918
GI	none	Score	179
Exons	598..918, 642..734, 653..739		

Seq. No.	23853	Seq. ID	OJ991214_06.0114.C1
Gene No.	49714	Strand	+
Start	1	End	1003
Name	OJ991214_06.0114.C1.o1.tw	Method	TBLASTX:Wheat
Start	601	End	999
GI	none	Score	157
Exons	601..795, 636..749, 835..999, 861..998		

Seq. No.	23854	Seq. ID	OJ991214_06.0114.C2
Gene No.	49715	Strand	+
Start	90	End	6979
Name	OJ991214_06.0114.C2.o1.gs	Method	GENSCAN
Start	90	End	4245
GI	none	Score	.51
Exons	90..171, 335..475, 2896..4245		

Seq. No.	23854	Seq. ID	OJ991214_06.0114.C2
Gene No.	49715	Strand	+
Start	90	End	6979
Name	OJ991214_06.0114.C2.o1.gp	Method	AAT/GAP
Start	1258	End	1643
GI	uC-osf1cyp033a04b1	Score	629
Exons	1258..1643		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	23854	Seq. ID	OJ991214_06.0114.C2
Gene No.	49715	Strand	+
Start	90	End	6979
Name	OJ991214_06.0114.C2.o2.np	Method	AAT/NAP
Start	2875	End	6979
GI	5042447	Score	585
Exons	2875..3715, 3884..4135, 6940..6979		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	23854	Seq. ID	OJ991214_06.0114.C2
Gene No.	49715	Strand	+
Start	90	End	6979
Name	OJ991214_06.0114.C2.o3.np	Method	AAT/NAP
Start	4077	End	4188
GI	130582	Score	46
Exons	4077..4188		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	23854	Seq. ID	OJ991214_06.0114.C2
Gene No.	49716	Strand	-
Start	1	End	6979
Name	OJ991214_06.0114.C2.o1.np	Method	AAT/NAP
Start	1	End	1554
GI	5852180	Score	551
Exons	1..327, 379..497, 1492..1554		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	23854	Seq. ID	OJ991214_06.0114.C2
Gene No.	49716	Strand	-
Start	1	End	6979
Name	OJ991214_06.0114.C2.o4.np	Method	AAT/NAP
Start	1222	End	6979
GI	5852180	Score	499
Exons	1222..1289, 5747..5817, 6521..6979		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	23854	Seq. ID	OJ991214_06.0114.C2
Gene No.	49716	Strand	-
Start	1	End	6979
Name	OJ991214_06.0114.C2.o1.tw	Method	TBLASTX:Wheat
Start	3118	End	3477
GI	none	Score	274
Exons	3118..3477, 3120..3473		

Seq. No.	23854	Seq. ID	OJ991214_06.0114.C2
Gene No.	49716	Strand	-
Start	1	End	6979
Name	OJ991214_06.0114.C2.o1.tm	Method	TBLASTX:Maize
Start	3358	End	3657
GI	none	Score	226
Exons	3358..3657, 3372..3533		

Seq. No.	23855	Seq. ID	OJ991214_06.0114.C3
Gene No.	49717	Strand	+
Start	804	End	4010
Name	OJ991214_06.0114.C3.o1.gs	Method	GENSCAN
Start	804	End	4010
GI	none	Score	.45
Exons	804..974, 1251..1312, 1391..1665, 3458..3592, 3769..4010		

Seq. No.	23855	Seq. ID	OJ991214_06.0114.C3
Gene No.	49718	Strand	-
Start	1	End	1856
Name	OJ991214_06.0114.C3.o1.np	Method	AAT/NAP
Start	1	End	1856
GI	2522210	Score	296
Exons	1..54, 395..530, 745..790, 1466..1856		
GI Descrip.	(AF023132) choline monooxygenase [Beta vulgaris]		

Seq. No.	23855	Seq. ID	OJ991214_06.0114.C3
Gene No.	49719	Strand	-
Start	5528	End	6442
Name	OJ991214_06.0114.C3.o1.tm	Method	TBLASTX:Maize
Start	731	End	1601
GI	none	Score	71
Exons	731..787, 741..788, 742..792, 744..791, 1464..1601, 1464..1595		

Seq. No.	23855	Seq. ID	OJ991214_06.0114.C3
Gene No.	49719	Strand	-
Start	5528	End	6442
Name	OJ991214_06.0114.C3.o2.gs	Method	GENSCAN
Start	5528	End	6442
GI	none	Score	.98
Exons	5528..5646, 6379..6442		

Seq. No.	23856	Seq. ID	OJ991214_06.0114.C4
Gene No.	49720	Strand	+
Start	45	End	608
Name	OJ991214_06.0114.C4.o1.gs	Method	GENSCAN
Start	45	End	608
GI	none	Score	.72
Exons	45..461, 593..608		

Seq. No.	23856	Seq. ID	OJ991214_06.0114.C4
Gene No.	49721	Strand	+
Start	2767	End	2871
Name	OJ991214_06.0114.C4.o1.gp	Method	AAT/GAP
Start	2767	End	2871
GI	5816518	Score	141
Exons	2767..2871		

GI Descrip. 4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene

Seq. No.	23856	Seq. ID	OJ991214_06.0114.C4
Gene No.	49722	Strand	-
Start	4478	End	7758
Name	OJ991214_06.0114.C4.o1.np	Method	AAT/NAP
Start	4320	End	7758
GI	5091513	Score	1530
Exons	4320..4510, 4545..4682, 5252..5486, 5536..6293, 6871..7758		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	23856	Seq. ID	OJ991214_06.0114.C4
Gene No.	49722	Strand	-
Start	4478	End	7758
Name	OJ991214_06.0114.C4.o2.gs	Method	GENSCAN
Start	4478	End	7743
GI	none	Score	.43
Exons	4478..4804, 4928..5039, 5059..5338, 5596..5895, 5993..6267, 6914..7743		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49723	Strand	+
Start	4210	End	4570
Name	OJ991214_06.0114.C5.o2.np	Method	AAT/NAP
Start	4210	End	4570
GI	5902448	Score	542
Exons	4210..4570		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49724	Strand	+
Start	5043	End	13312
Name	OJ991214_06.0114.C5.o3.gs	Method	GENSCAN
Start	5043	End	13312
GI	none	Score	.77
Exons	5043..7954, 8051..10879, 11070..11352, 11759..11877, 12624..12672, 12833..13312		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49724	Strand	+
Start	5043	End	13312
Name	OJ991214_06.0114.C5.o3.np	Method	AAT/NAP
Start	5043	End	11093
GI	5922631	Score	6531
Exons	5043..5167, 5426..5664, 5899..6101, 6147..6718, 6761..6912, 7039..7962, 8569..11093		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49725	Strand	-

Start	1	End	2603
Name	OJ991214_06.0114.C5.o1.np	Method	AAT/NAP
Start	1	End	2603
GI	5091513	Score	1056
Exons	1..818, 2578..2603		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49725	Strand	-
Start	1	End	2603
Name	OJ991214_06.0114.C5.o1.gs	Method	GENSCAN
Start	17	End	2397
GI	none	Score	.63
Exons	17..753, 1116..1176, 2315..2397		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49726	Strand	-
Start	2825	End	3132
Name	OJ991214_06.0114.C5.o1.gp	Method	AAT/GAP
Start	2825	End	3132
GI	5816559	Score	464
Exons	2825..3132		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49727	Strand	-
Start	4608	End	4915
Name	OJ991214_06.0114.C5.o2.gp	Method	AAT/GAP
Start	4608	End	4915
GI	5816559	Score	470
Exons	4608..4915		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o11.tw	Method	TBLASTX:Wheat
Start	4355	End	4556
GI	none	Score	179
Exons	4355..4552, 4356..4556, 4449..4556		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o9.tw	Method	TBLASTX:Wheat
Start	6323	End	6725
GI	none	Score	293
Exons	6323..6592, 6324..6725		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o8.tw	Method	TBLASTX:Wheat

Start	7302	End	7759
GI	none	Score	149
Exons	7302..7478, 7523..7759, 7527..7757		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o9.tm	Method	TBLASTX:Maize
Start	7610	End	7757
GI	none	Score	183
Exons	7610..7756, 7611..7757		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o3.tw	Method	TBLASTX:Wheat
Start	7979	End	8435
GI	none	Score	497
Exons	7979..8434, 7980..8435		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o4.ts	Method	TBLASTX:Soybean
Start	8019	End	8384
GI	none	Score	138
Exons	8019..8243, 8250..8384		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o5.tm	Method	TBLASTX:Maize
Start	8109	End	8465
GI	none	Score	375
Exons	8109..8465, 8150..8455, 8172..8465		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o4.tw	Method	TBLASTX:Wheat
Start	8550	End	8974
GI	none	Score	436
Exons	8550..8960, 8594..8974		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o1.ts	Method	TBLASTX:Soybean
Start	8628	End	9029
GI	none	Score	306
Exons	8628..9029, 8645..8788, 8825..8956		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o4.tm	Method	TBLASTX:Maize
Start	8696	End	9140

GI	none	Score	276
Exons	8696..8950, 8697..8951, 8721..8957, 8943..9116, 8972..9103, 9114..9140		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o10.tw	Method	TBLASTX:Wheat
Start	8978	End	9260
GI	none	Score	276
Exons	8978..9055, 8979..9260, 9114..9248		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o3.ts	Method	TBLASTX:Soybean
Start	9255	End	9643
GI	none	Score	261
Exons	9255..9641, 9263..9643		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o6.tw	Method	TBLASTX:Wheat
Start	9264	End	9686
GI	none	Score	413
Exons	9264..9686, 9272..9676		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o7.tm	Method	TBLASTX:Maize
Start	9516	End	9770
GI	none	Score	193
Exons	9516..9770		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o12.tw	Method	TBLASTX:Wheat
Start	9702	End	10001
GI	none	Score	130
Exons	9702..9836, 9861..10001		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o2.tm	Method	TBLASTX:Maize
Start	9999	End	10361
GI	none	Score	447
Exons	9999..10322, 10019..10342, 10019..10309, 10313..10360, 10314..10361		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o5.tw	Method	TBLASTX:Wheat

Start	10004	End	10391
GI	none	Score	420
Exons	10004..10315, 10005..10391, 10206..10391		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o1.tw	Method	TBLASTX:Wheat
Start	10434	End	15134
GI	none	Score	101
Exons	10434..10625, 10653..10763, 14508..15134, 14509..15132		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o8.tm	Method	TBLASTX:Maize
Start	10463	End	10736
GI	none	Score	95
Exons	10463..10570, 10464..10562, 10553..10627, 10557..10640, 10650..10736		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o10.tm	Method	TBLASTX:Maize
Start	10737	End	10997
GI	none	Score	183
Exons	10737..10997		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o4.gs	Method	GENSCAN
Start	14127	End	15524
GI	none	Score	.88
Exons	14127..15524		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o4.np	Method	AAT/NAP
Start	14130	End	15590
GI	4680179	Score	2453
Exons	14130..15590		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o7.tw	Method	TBLASTX:Wheat
Start	14140	End	14508
GI	none	Score	36
Exons	14140..14193, 14175..14507, 14308..14508		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593

Name	OJ991214_06.0114.C5.o6.tm	Method	TBLASTX:Maize
Start	14154	End	14366
GI	none	Score	202
Exons	14154..14366		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o1.tm	Method	TBLASTX:Maize
Start	14367	End	14954
GI	none	Score	255
Exons	14367..14795, 14368..14796, 14793..14954, 14800..14946, 14802..14948		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o3.tm	Method	TBLASTX:Maize
Start	15003	End	15294
GI	none	Score	171
Exons	15003..15293, 15006..15293, 15007..15294		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o2.ts	Method	TBLASTX:Soybean
Start	15093	End	15353
GI	none	Score	176
Exons	15093..15353, 15094..15348		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o1.tc	Method	TBLASTX:Cress
Start	15117	End	15434
GI	none	Score	92
Exons	15117..15260, 15118..15258, 15261..15434		

Seq. No.	23857	Seq. ID	OJ991214_06.0114.C5
Gene No.	49728	Strand	-
Start	14127	End	15593
Name	OJ991214_06.0114.C5.o2.tw	Method	TBLASTX:Wheat
Start	15141	End	15593
GI	none	Score	262
Exons	15141..15593, 15142..15396, 15177..15587		

Seq. No.	23858	Seq. ID	OJ991214_06.0114.C6
Gene No.	49729	Strand	+
Start	1	End	503
Name	OJ991214_06.0114.C6.o1.np	Method	AAT/NAP
Start	1	End	500
GI	5902445	Score	836
Exons	1..500		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	23858	Seq. ID	OJ991214_06.0114.C6
Gene No.	49729	Strand	+

Start	1	End	503
Name	OJ991214_06.0114.C6.o1.gs	Method	GENSCAN
Start	126	End	503
GI	none	Score	.95
Exons	126..503		

Seq. No.	23858	Seq. ID	OJ991214_06.0114.C6
Gene No.	49730	Strand	-
Start	820	End	3611
Name	OJ991214_06.0114.C6.o1.tw	Method	TBLASTX:Wheat
Start	30	End	491
GI	none	Score	126
Exons	30..155, 38..139, 210..368, 354..491		

Seq. No.	23858	Seq. ID	OJ991214_06.0114.C6
Gene No.	49730	Strand	-
Start	820	End	3611
Name	OJ991214_06.0114.C6.o1.tm	Method	TBLASTX:Maize
Start	219	End	452
GI	none	Score	149
Exons	219..371, 311..370, 350..451, 351..452		

Seq. No.	23858	Seq. ID	OJ991214_06.0114.C6
Gene No.	49730	Strand	-
Start	820	End	3611
Name	OJ991214_06.0114.C6.o2.gs	Method	GENSCAN
Start	820	End	3307
GI	none	Score	.77
Exons	820..1268, 1341..1445, 1518..1707, 1783..1970, 2045..2452, 2486..2657, 2876..3307		

Seq. No.	23858	Seq. ID	OJ991214_06.0114.C6
Gene No.	49730	Strand	-
Start	820	End	3611
Name	OJ991214_06.0114.C6.o2.np	Method	AAT/NAP
Start	823	End	3611
GI	6691716	Score	2158
Exons	823..1268, 1341..1457, 1608..1707, 1783..1977, 2145..2418, 2500..2678, 2876..3611		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	23858	Seq. ID	OJ991214_06.0114.C6
Gene No.	49730	Strand	-
Start	820	End	3611
Name	OJ991214_06.0114.C6.o2.tw	Method	TBLASTX:Wheat
Start	3377	End	3583
GI	none	Score	63
Exons	3377..3583, 3423..3569		

Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49731	Strand	+
Start	1	End	10749
Name	OJ991214_06.0114.C7.o3.np	Method	AAT/NAP
Start	1	End	10749
GI	4680183	Score	183

Exons	1..22, 9980..10050, 10660..10749		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49731	Strand	+
Start	1	End	10749
Name	OJ991214_06.0114.C7.o2.gs	Method	GENSCAN
Start	5416	End	6606
GI	none	Score	.48
Exons	5416..5582, 5740..5856, 5862..6606		
Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49732	Strand	+
Start	13062	End	13483
Name	OJ991214_06.0114.C7.o5.np	Method	AAT/NAP
Start	13062	End	13483
GI	5922631	Score	356
Exons	13062..13264, 13310..13483		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		
Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49733	Strand	-
Start	382	End	8119
Name	OJ991214_06.0114.C7.o1.gs	Method	GENSCAN
Start	382	End	4879
GI	none	Score	.65
Exons	382..1282, 1595..3512, 3750..3890, 4650..4695, 4814..4879		
Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49733	Strand	-
Start	382	End	8119
Name	OJ991214_06.0114.C7.o1.np	Method	AAT/NAP
Start	385	End	8119
GI	4680179	Score	7865
Exons	385..3891, 7064..8119		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49733	Strand	-
Start	382	End	8119
Name	OJ991214_06.0114.C7.o1.gp	Method	AAT/GAP
Start	4602	End	4984
GI	uC-osflcyp033a04b1	Score	628
Exons	4602..4984		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49733	Strand	-
Start	382	End	8119
Name	OJ991214_06.0114.C7.o3.gs	Method	GENSCAN

Start	7031	End	8119
GI	none	Score	.99
Exons	7031..8119		

Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o6.tw	Method	TBLASTX:Wheat
Start	395	End	763
GI	none	Score	35
Exons	395..448, 430..762, 451..612, 554..670, 655..735, 710..763		

Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o7.tm	Method	TBLASTX:Maize
Start	409	End	606
GI	none	Score	197
Exons	409..606		

Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o1.tm	Method	TBLASTX:Maize
Start	610	End	1209
GI	none	Score	244
Exons	610..1050, 623..1048, 1048..1209, 1055..1201		

Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o1.tw	Method	TBLASTX:Wheat
Start	763	End	1389
GI	none	Score	337
Exons	763..1389, 764..1387		

Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o4.tm	Method	TBLASTX:Maize
Start	1258	End	1549
GI	none	Score	253
Exons	1258..1548, 1262..1549		

Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o2.ts	Method	TBLASTX:Soybean
Start	1348	End	1608
GI	none	Score	150
Exons	1348..1608, 1349..1603		

Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o1.tc	Method	TBLASTX:Cress
Start	1372	End	1689

GI	none	Score	90
Exons	1372..1515, 1373..1513, 1516..1689		

Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o3.tw	Method	TBLASTX:Wheat
Start	1396	End	1875
GI	none	Score	239
Exons	1396..1875, 1397..1651, 1429..1842		

Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o2.tw	Method	TBLASTX:Wheat
Start	1879	End	2388
GI	none	Score	252
Exons	1879..2388, 1963..2310, 2045..2356		

Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o2.tm	Method	TBLASTX:Maize
Start	1951	End	2316
GI	none	Score	155
Exons	1951..2262, 1963..2316, 2048..2314		

Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o3.ts	Method	TBLASTX:Soybean
Start	2137	End	2382
GI	none	Score	202
Exons	2137..2382		

Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o3.tm	Method	TBLASTX:Maize
Start	2353	End	2853
GI	none	Score	92
Exons	2353..2688, 2398..2676, 2674..2853		

Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o5.tw	Method	TBLASTX:Wheat
Start	2389	End	2691
GI	none	Score	235
Exons	2389..2691, 2390..2659, 2398..2691		

Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o1.ts	Method	TBLASTX:Soybean
Start	2404	End	2799
GI	none	Score	161

Exons	2404..2763, 2405..2659, 2533..2763, 2755..2799, 2767..2799		
Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o4.tw	Method	TBLASTX:Wheat
Start	2740	End	3222
GI	none	Score	176
Exons	2740..3222, 2749..3093, 2783..3118		
Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o4.ts	Method	TBLASTX:Soybean
Start	2872	End	3186
GI	none	Score	60
Exons	2872..3186, 2873..3070		
Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o5.tm	Method	TBLASTX:Maize
Start	2921	End	3210
GI	none	Score	165
Exons	2921..3112, 2923..3210		
Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o8.tw	Method	TBLASTX:Wheat
Start	3379	End	3801
GI	none	Score	107
Exons	3379..3567, 3386..3541, 3607..3801, 3653..3766		
Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o6.tm	Method	TBLASTX:Maize
Start	7316	End	7612
GI	none	Score	91
Exons	7316..7612, 7425..7595		
Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o7.tw	Method	TBLASTX:Wheat
Start	7493	End	7852
GI	none	Score	92
Exons	7493..7852, 7494..7727, 7752..7826		
Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o4.gs	Method	GENSCAN
Start	8373	End	13213
GI	none	Score	.54
Exons	8373..9260, 10523..10655, 11447..11561, 11830..11895,		

11988..12101, 12524..12582, 12867..13213

Seq. No.	23859	Seq. ID	OJ991214_06.0114.C7
Gene No.	49734	Strand	-
Start	8373	End	13213
Name	OJ991214_06.0114.C7.o2.np	Method	AAT/NAP
Start	8376	End	9194
GI	5042448	Score	1140
Exons	8376..9194		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	23860	Seq. ID	OJ991214_06.0114.C8
Gene No.	49735	Strand	-
Start	1	End	1988
Name	OJ991214_06.0114.C8.o1.np	Method	AAT/NAP
Start	1	End	1988
GI	5852180	Score	557
Exons	1..345, 397..513, 1591..1645, 1896..1988		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	23861	Seq. ID	OJ991214_06.0114.C9
Gene No.	49736	Strand	+
Start	1	End	268
Name	OJ991214_06.0114.C9.o1.gp	Method	AAT/GAP
Start	1	End	268
GI	5816559	Score	409
Exons	1..268		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	23861	Seq. ID	OJ991214_06.0114.C9
Gene No.	49737	Strand	+
Start	345	End	729
Name	OJ991214_06.0114.C9.o1.np	Method	AAT/NAP
Start	345	End	729
GI	5902448	Score	649
Exons	345..729		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	23862	Seq. ID	OJ991214_06.0114.C10
Gene No.	49738	Strand	+
Start	1	End	1187
Name	OJ991214_06.0114.C10.o1.np	Method	AAT/NAP
Start	1	End	434
GI	5902447	Score	580
Exons	1..90, 126..434		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	23862	Seq. ID	OJ991214_06.0114.C10
Gene No.	49738	Strand	+
Start	1	End	1187
Name	OJ991214_06.0114.C10.o2.np	Method	AAT/NAP
Start	1	End	1187
GI	6691716	Score	389
Exons	1..129, 241..405, 480..667, 743..846, 997..1187		

GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	23862	Seq. ID	OJ991214_06.0114.C10
Gene No.	49738	Strand	+
Start	1	End	1187
Name	OJ991214_06.0114.C10.o1.gs	Method	GENSCAN
Start	109	End	1109
GI	none	Score	.77
Exons	109..405, 480..680, 819..932, 1005..1109		
Seq. No.	23863	Seq. ID	OJ991214_06.0114.C11
Gene No.	49739	Strand	+
Start	1	End	978
Name	OJ991214_06.0114.C11.o1.np	Method	AAT/NAP
Start	1	End	978
GI	5091513	Score	1165
Exons	1..51, 80..978		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	23863	Seq. ID	OJ991214_06.0114.C11
Gene No.	49739	Strand	+
Start	1	End	978
Name	OJ991214_06.0114.C11.o1.gs	Method	GENSCAN
Start	60	End	936
GI	none	Score	.5
Exons	60..936		
Seq. No.	23864	Seq. ID	OJ991214_06.0114.C12
Gene No.	49740	Strand	-
Start	319	End	3013
Name	OJ991214_06.0114.C12.o1.gp	Method	AAT/GAP
Start	319	End	2029
GI	29079_2.R1084	Score	254
Exons	319..370, 1932..2029		
GI Descrip.	'2130023/pir||S61413 9.0e-35 DNA-binding protein ABF1 - wild oat (fragment) >gi_1159877_emb_CAA88326_ (Z48429) DNA-binding protein [Avena fatua]'		
Seq. No.	23864	Seq. ID	OJ991214_06.0114.C12
Gene No.	49740	Strand	-
Start	319	End	3013
Name	OJ991214_06.0114.C12.o1.gs	Method	GENSCAN
Start	1847	End	3013
GI	none	Score	.67
Exons	1847..1879, 1932..2128, 2807..2957, 3006..3013		
Seq. No.	23865	Seq. ID	OJ991214_06.0114.C14
Gene No.	49741	Strand	-
Start	237	End	370
Name	OJ991214_06.0114.C14.o1.gs	Method	GENSCAN
Start	237	End	370
GI	none	Score	.84
Exons	237..370		
Seq. No.	23865	Seq. ID	OJ991214_06.0114.C14

Gene No.	49742	Strand	-
Start	401	End	649
Name	OJ991214_06.0114.C14.o1.gp	Method	AAT/GAP
Start	401	End	649
GI	3761181	Score	414
Exons	401..649		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	23866	Seq. ID	OJ991214_06.0114.C15
Gene No.	49743	Strand	+
Start	1053	End	1878
Name	OJ991214_06.0114.C15.o1.gs	Method	GENSCAN
Start	1053	End	1807
GI	none	Score	.82
Exons	1053..1807		

Seq. No.	23866	Seq. ID	OJ991214_06.0114.C15
Gene No.	49743	Strand	+
Start	1053	End	1878
Name	OJ991214_06.0114.C15.o1.np	Method	AAT/NAP
Start	1053	End	1878
GI	4680179	Score	962
Exons	1053..1878		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23866	Seq. ID	OJ991214_06.0114.C15
Gene No.	49743	Strand	+
Start	1053	End	1878
Name	OJ991214_06.0114.C15.o1.tw	Method	TBLASTX:Wheat
Start	1266	End	1646
GI	none	Score	304
Exons	1266..1646, 1286..1645		

Seq. No.	23866	Seq. ID	OJ991214_06.0114.C15
Gene No.	49743	Strand	+
Start	1053	End	1878
Name	OJ991214_06.0114.C15.o1.tm	Method	TBLASTX:Maize
Start	1527	End	1859
GI	none	Score	208
Exons	1527..1859, 1550..1714		

Seq. No.	23867	Seq. ID	OJ991214_06.0114.C16
Gene No.	49744	Strand	+
Start	1	End	2236
Name	OJ991214_06.0114.C16.o1.np	Method	AAT/NAP
Start	1	End	2218
GI	4680179	Score	3188
Exons	1..2218		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23867	Seq. ID	OJ991214_06.0114.C16
Gene No.	49744	Strand	+
Start	1	End	2236
Name	OJ991214_06.0114.C16.o1.gs	Method	GENSCAN
Start	14	End	2236
GI	none	Score	1

Exons	14..2236		
Seq. No.	23867	Seq. ID	OJ991214_06.0114.C16
Gene No.	49744	Strand	+
Start	1	End	2236
Name	OJ991214_06.0114.C16.o4.tw	Method	TBLASTX:Wheat
Start	185	End	586
GI	none	Score	150
Exons	185..409, 199..351, 413..586, 446..505, 487..555		
Seq. No.	23867	Seq. ID	OJ991214_06.0114.C16
Gene No.	49744	Strand	+
Start	1	End	2236
Name	OJ991214_06.0114.C16.o4.tm	Method	TBLASTX:Maize
Start	223	End	499
GI	none	Score	195
Exons	223..324, 224..499		
Seq. No.	23867	Seq. ID	OJ991214_06.0114.C16
Gene No.	49744	Strand	+
Start	1	End	2236
Name	OJ991214_06.0114.C16.o2.tw	Method	TBLASTX:Wheat
Start	761	End	1243
GI	none	Score	546
Exons	761..1243, 865..1200		
Seq. No.	23867	Seq. ID	OJ991214_06.0114.C16
Gene No.	49744	Strand	+
Start	1	End	2236
Name	OJ991214_06.0114.C16.o3.ts	Method	TBLASTX:Soybean
Start	797	End	1111
GI	none	Score	183
Exons	797..1111, 913..1110		
Seq. No.	23867	Seq. ID	OJ991214_06.0114.C16
Gene No.	49744	Strand	+
Start	1	End	2236
Name	OJ991214_06.0114.C16.o2.tm	Method	TBLASTX:Maize
Start	830	End	1297
GI	none	Score	389
Exons	830..1297, 901..1200		
Seq. No.	23867	Seq. ID	OJ991214_06.0114.C16
Gene No.	49744	Strand	+
Start	1	End	2236
Name	OJ991214_06.0114.C16.o1.ts	Method	TBLASTX:Soybean
Start	1184	End	1579
GI	none	Score	57
Exons	1184..1216, 1186..1212, 1220..1579, 1227..1298, 1232..1549, 1324..1578		
Seq. No.	23867	Seq. ID	OJ991214_06.0114.C16
Gene No.	49744	Strand	+
Start	1	End	2236
Name	OJ991214_06.0114.C16.o3.tw	Method	TBLASTX:Wheat
Start	1292	End	1594
GI	none	Score	401

Exons	1292..1594, 1295..1585, 1324..1593		
Seq. No.	23867	Seq. ID	OJ991214_06.0114.C16
Gene No.	49744	Strand	+
Start	1	End	2236
Name	OJ991214_06.0114.C16.o3.tm	Method	TBLASTX:Maize
Start	1313	End	1666
GI	none	Score	328
Exons	1313..1666, 1381..1659		
Seq. No.	23867	Seq. ID	OJ991214_06.0114.C16
Gene No.	49744	Strand	+
Start	1	End	2236
Name	OJ991214_06.0114.C16.o1.tw	Method	TBLASTX:Wheat
Start	1595	End	2104
GI	none	Score	623
Exons	1595..2104, 1603..2013, 1634..2017		
Seq. No.	23867	Seq. ID	OJ991214_06.0114.C16
Gene No.	49744	Strand	+
Start	1	End	2236
Name	OJ991214_06.0114.C16.o2.ts	Method	TBLASTX:Soybean
Start	1601	End	1846
GI	none	Score	209
Exons	1601..1846		
Seq. No.	23867	Seq. ID	OJ991214_06.0114.C16
Gene No.	49744	Strand	+
Start	1	End	2236
Name	OJ991214_06.0114.C16.o1.tm	Method	TBLASTX:Maize
Start	1667	End	2030
GI	none	Score	479
Exons	1667..2020, 1669..2013, 1707..2030		
Seq. No.	23868	Seq. ID	OJ991214_03.0114.C1
Gene No.	49745	Strand	+
Start	1	End	709
Name	OJ991214_03.0114.C1.o1.np	Method	AAT/NAP
Start	1	End	709
GI	1196998	Score	1221
Exons	1..709		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		
Seq. No.	23868	Seq. ID	OJ991214_03.0114.C1
Gene No.	49746	Strand	-
Start	100	End	547
Name	OJ991214_03.0114.C1.o1.gs	Method	GENSCAN
Start	100	End	547
GI	none	Score	.69
Exons	100..115, 182..269, 410..547		

Seq. No.	23869	Seq. ID	OJ991214_03.0114.C2
Gene No.	49747	Strand	-
Start	261	End	400
Name	OJ991214_03.0114.C2.o1.gs	Method	GENSCAN
Start	261	End	400
GI	none	Score	.73
Exons	261..400		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49748	Strand	+
Start	1387	End	4235
Name	OJ991214_03.0114.C4.o1.gs	Method	GENSCAN
Start	1387	End	4235
GI	none	Score	.79
Exons	1387..1500, 2583..2732, 4083..4235		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49749	Strand	+
Start	5332	End	13060
Name	OJ991214_03.0114.C4.o2.gs	Method	GENSCAN
Start	5332	End	13060
GI	none	Score	.55
Exons	5332..5535, 7790..7957, 8180..8295, 8564..10073, 10224..11691, 11700..13060		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49750	Strand	+
Start	25512	End	25916
Name	OJ991214_03.0114.C4.o3.gp	Method	AAT/GAP
Start	25512	End	25916
GI	5039111	Score	797
Exons	25512..25916		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49751	Strand	-
Start	6645	End	16297
Name	OJ991214_03.0114.C4.o1.np	Method	AAT/NAP
Start	6645	End	16294
GI	2943792	Score	2109
Exons	6645..6740, 6863..6969, 7419..7550, 7717..7783, 7858..7940, 8129..8210, 13405..13481, 13582..13665, 13747..13816, 13929..14017, 14105..14791, 16004..16294		
GI Descrip.	(AB006809) PV72 [Cucurbita sp.]		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49751	Strand	-
Start	6645	End	16297
Name	OJ991214_03.0114.C4.o3.gs	Method	GENSCAN
Start	13399	End	16297
GI	none	Score	.56
Exons	13399..13481, 13747..13816, 13929..14017, 14105..14771, 16004..16297		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49752	Strand	-
Start	16229	End	16403
Name	OJ991214_03.0114.C4.o1.gp	Method	AAT/GAP

Start	16229	End	16403
GI	uC-osf1M202053f03b1	Score	306
Exons	16229..16403		
GI Descrip.	'3850999/gb|AAC72192| 4.0e-27 (AF069908) pyruvate dehydrogenase E1 beta subunit isoform 1 [Zea mays]'		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49753	Strand	-
Start	18334	End	21560
Name	OJ991214_03.0114.C4.o4.gs	Method	GENSCAN
Start	18334	End	21560
GI	none	Score	.45
Exons	18334..18465, 20282..20374, 20530..20693, 21069..21166, 21481..21560		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49753	Strand	-
Start	18334	End	21560
Name	OJ991214_03.0114.C4.o2.gp	Method	AAT/GAP
Start	18630	End	20723
GI	59432_1.R1084	Score	1029
Exons	18630..18976, 20530..20723		
GI Descrip.	'1351365/sp|P48505|UCRY_SOLTU 1.0e-12 UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 6.7 KD PROTEIN (CR6) >gi_2130002_pir__S68969 ubiquinol--cytochrome-c reductase (EC 1.10.2.2) - potato >gi_633683_emb_CAA57768_ (X82325) cytochrome c reductase subunit [Solanum tuberosum]'		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49754	Strand	-
Start	25822	End	27745
Name	OJ991214_03.0114.C4.o5.gs	Method	GENSCAN
Start	25822	End	27745
GI	none	Score	.97
Exons	25822..26395, 26883..26990, 27426..27745		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o1.tc	Method	TBLASTX:Cress
Start	6645	End	16241
GI	none	Score	61
Exons	6645..6740, 6681..6743, 6857..6976, 6863..6973, 7420..7458, 7465..7551, 7718..7783, 7719..7775, 7861..7941, 7862..7942, 8124..8210, 8134..8211, 13403..13474, 13405..13482, 13572..13685, 13577..13666, 13737..13817, 13739..13819, 13926..14018, 13926..14018, 14104..14661, 14104..14589, 14112..14687, 14115..14672, 14670..14792, 14686..14817, 16005..16064, 16006..16065, 16086..16130, 16116..16241, 16130..16240		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o1.ts	Method	TBLASTX:Soybean
Start	6663	End	16130
GI	none	Score	75

Exons	6663..6743, 6863..6943, 7411..7455, 7459..7551, 7461..7553, 7713..7760, 7718..7765, 7856..7948, 7858..7944, 8131..8211, 8133..8210, 13403..13486, 13405..13482, 13586..13666, 13587..13682, 13739..13819, 13746..13814, 13926..14018, 14095..14667, 14104..14586, 14112..14687, 14673..14792, 16005..16061, 16086..16130		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o9.tm	Method	TBLASTX:Maize
Start	6690	End	7559
GI	none	Score	68
Exons	6690..6737, 6690..6743, 6692..6742, 6856..6969, 6863..6976, 6864..6944, 7396..7551, 7414..7551, 7434..7559		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o4.tw	Method	TBLASTX:Wheat
Start	6914	End	8211
GI	none	Score	57
Exons	6914..7006, 6915..6968, 7010..7057, 7414..7551, 7418..7453, 7434..7553, 7713..7781, 7714..7785, 7716..7781, 7718..7783, 7858..7941, 7859..7948, 8124..8210, 8131..8211		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o1.tm	Method	TBLASTX:Maize
Start	7754	End	16280
GI	none	Score	37
Exons	7754..7780, 7837..7941, 7840..7941, 7847..7948, 7847..7954, 7857..7970, 8124..8210, 8131..8211, 13403..13483, 13404..13484, 13405..13485, 13405..13482, 13574..13666, 13582..13665, 13583..13666, 13587..13682, 13737..13817, 13739..13819, 13745..13819, 13926..14048, 13929..14018, 14095..14679, 14101..14673, 14105..14677, 14112..14678, 14685..14792, 14686..14739, 16005..16040, 16006..16041, 16086..16130, 16116..16280, 16128..16211, 16130..16279		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o8.tm	Method	TBLASTX:Maize
Start	8805	End	9317
GI	none	Score	77
Exons	8805..8981, 9011..9211, 9015..9317		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o5.tw	Method	TBLASTX:Wheat
Start	9855	End	10109
GI	none	Score	211
Exons	9855..10109, 9950..10057		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o10.tm	Method	TBLASTX:Maize
Start	9933	End	10199
GI	none	Score	211
Exons	9933..10115, 9935..10099, 9936..10112, 9950..10123, 10155..10199		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o13.tm	Method	TBLASTX:Maize
Start	10260	End	10547
GI	none	Score	176
Exons	10260..10430, 10262..10441, 10443..10547		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o5.tm	Method	TBLASTX:Maize
Start	10548	End	11005
GI	none	Score	98
Exons	10548..10649, 10613..11005, 10626..11003		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o4.ts	Method	TBLASTX:Soybean
Start	10554	End	11015
GI	none	Score	280
Exons	10554..11015		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o2.tc	Method	TBLASTX:Cress
Start	10593	End	11033
GI	none	Score	347
Exons	10593..11033, 10610..10768, 10811..10861, 10889..11029		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o2.tw	Method	TBLASTX:Wheat
Start	10679	End	11024
GI	none	Score	335
Exons	10679..10771, 10680..11024, 10820..11023		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o3.ts	Method	TBLASTX:Soybean
Start	11520	End	12007
GI	5509260	Score	99
Exons	11520..11699, 11678..12007, 11836..11991		
GI Descrip.	-		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o11.tm	Method	TBLASTX:Maize
Start	11558	End	11803
GI	none	Score	139
Exons	11558..11671, 11559..11669, 11663..11803, 11665..11709, 11734..11796		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o4.tc	Method	TBLASTX:Cress
Start	11657	End	11896
GI	none	Score	214
Exons	11657..11896, 11665..11874		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o1.tw	Method	TBLASTX:Wheat
Start	11678	End	12340
GI	none	Score	300
Exons	11678..12022, 11695..12021, 12008..12223, 12221..12340		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o3.tm	Method	TBLASTX:Maize
Start	11809	End	12256
GI	none	Score	510
Exons	11809..12048, 11810..12256, 11819..12070, 12166..12252		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o5.tc	Method	TBLASTX:Cress
Start	12068	End	12361
GI	none	Score	202
Exons	12068..12361		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o4.tm	Method	TBLASTX:Maize
Start	12308	End	12691
GI	none	Score	478
Exons	12308..12691, 12310..12675, 12377..12691		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o3.tw	Method	TBLASTX:Wheat
Start	12364	End	12622
GI	none	Score	262
Exons	12364..12513, 12365..12622, 12568..12621		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o2.ts	Method	TBLASTX:Soybean
Start	12386	End	12982
GI	none	Score	514
Exons	12386..12982, 12391..12504, 12580..12729, 12811..12909		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o6.tm	Method	TBLASTX:Maize
Start	12692	End	12985
GI	none	Score	325
Exons	12692..12985, 12707..12982, 12784..12984		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o12.tm	Method	TBLASTX:Maize
Start	18719	End	20671
GI	none	Score	35
Exons	18719..18787, 18755..18787, 18759..18794, 18795..18836, 18795..18845, 18796..18846, 18860..18901, 18893..18979, 18896..18985, 18912..18986, 20485..20670, 20531..20671		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o3.np	Method	AAT/NAP
Start	29739	End	40990
GI	4895216	Score	2898
Exons	29739..30030, 30110..30371, 31102..31253, 32059..32254, 32554..32756, 33030..33274, 33895..34011, 34492..34689, 34772..34985, 35127..35293, 35505..35716, 35786..36104, 36200..36348, 36699..36942, 37504..37759, 37926..38126, 38713..38870, 38898..39210, 39931..40143, 40462..40990		
GI Descrip.	(AC007660) putative SNF2/SWI2 family transcription factor [Arabidopsis thaliana]		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o6.gs	Method	GENSCAN
Start	29752	End	31545
GI	none	Score	.79
Exons	29752..29804, 29841..30030, 30110..30371, 31102..31254, 31469..31545		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o2.tm	Method	TBLASTX:Maize
Start	29768	End	32260
GI	none	Score	80
Exons	29768..29842, 29777..29827, 29783..29827, 29783..29830, 29802..30029, 29836..30042, 29848..30036, 29849..30037,		

30107..30373, 30108..30374, 30111..30374, 31101..31256,
31102..31251, 31102..31269, 32059..32256, 32059..32253,
32060..32260

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o5.ts	Method	TBLASTX:Soybean
Start	29768	End	30042
GI	none	Score	80
Exons	29768..29842, 29778..29825, 29783..29827, 29783..29830, 29783..29827, 29802..30029, 29836..30042, 29848..30036		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o3.tc	Method	TBLASTX:Cress
Start	29905	End	30371
GI	none	Score	62
Exons	29905..29973, 29979..30044, 29983..30060, 30104..30214, 30171..30215, 30215..30277, 30216..30278, 30338..30370, 30339..30371		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o7.gs	Method	GENSCAN
Start	32005	End	40856
GI	none	Score	.85
Exons	32005..32255, 32552..32756, 33030..33173, 33895..34011, 34498..34689, 34772..34985, 35127..35293, 35625..36104, 36200..36360, 36699..36942, 37504..37759, 37926..38126, 38860..39202, 39295..39356, 39937..40143, 40462..40856		

Seq. No.	23870	Seq. ID	OJ991214_03.0114.C4
Gene No.	49755	Strand	-
Start	29752	End	40990
Name	OJ991214_03.0114.C4.o7.tm	Method	TBLASTX:Maize
Start	32530	End	32763
GI	none	Score	240
Exons	32530..32763, 32541..32762		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49756	Strand	+
Start	2599	End	2729
Name	OJ991214_03.0114.C5.o1.gs	Method	GENSCAN
Start	2599	End	2729
GI	none	Score	.7
Exons	2599..2729		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49757	Strand	+
Start	4451	End	4946
Name	OJ991214_03.0114.C5.o1.gp	Method	AAT/GAP
Start	4451	End	4946
GI	none	Score	962
Exons	4451..4946		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49758	Strand	+
Start	10096	End	14939
Name	OJ991214_03.0114.C5.o3.gs	Method	GENSCAN
Start	10096	End	14939
GI	none	Score	.5
Exons	10096..10132, 10196..10313, 10991..11026, 13076..13688, 13768..13850, 13934..14054, 14136..14309, 14399..14503, 14593..14856, 14907..14939		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49758	Strand	+
Start	10096	End	14939
Name	OJ991214_03.0114.C5.o1.np	Method	AAT/NAP
Start	13044	End	14898
GI	1362152	Score	1761
Exons	13044..13688, 13768..13850, 13934..14054, 14136..14309, 14399..14503, 14593..14898		
GI Descrip.	ribosomal protein S6 kinase homolog (clone Aspk11) - oat gi|871986|emb|CAA56313| (X79992) putative pp70 ribosomal protein S6 kinase [Avena sativa]		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49758	Strand	+
Start	10096	End	14939
Name	OJ991214_03.0114.C5.o4.gp	Method	AAT/GAP
Start	13044	End	13828
GI	23711_1.R1084	Score	1368
Exons	13044..13688, 13768..13828		
GI Descrip.	'3122234/sp|O24473|IF2B_WHEAT 5.0e-15 EUKARYOTIC TRANSLATION INITIATION FACTOR 2 BETA SUBUNIT (EIF-2-BETA) (P38) >gi_2306768 (U87163) eIF-2 beta subunit [Triticum aestivum]'		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49759	Strand	-
Start	4676	End	8245
Name	OJ991214_03.0114.C5.o2.gs	Method	GENSCAN
Start	4676	End	8245
GI	none	Score	.7
Exons	4676..5475, 5616..6482, 6521..6648, 6672..6783, 7987..8245		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49759	Strand	-
Start	4676	End	8245
Name	OJ991214_03.0114.C5.o2.gp	Method	AAT/GAP
Start	6269	End	7908
GI	53415_1.R1084	Score	1560
Exons	6269..6482, 6584..6783, 7515..7908		
GI Descrip.	'130897/sp|P20664|PRI1_MOUSE 9.0e-18 DNA PRIMASE SMALL SUBUNIT (DNA PRIMASE 49 KD SUBUNIT) (P49) >gi_423418_pir__D46642 DNA primase (EC 2.7.7.-) 46K chain - mouse >gi_303661_dbj_BAA02744.1_ (D13544) primase small subunit [Mus musculus]'		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49760	Strand	-

Start	11419	End	11568
Name	OJ991214_03.0114.C5.o3.gp	Method	AAT/GAP
Start	11419	End	11568
GI	701030	Score	236
Exons	11419..11568		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49761	Strand	-
Start	15045	End	18762
Name	OJ991214_03.0114.C5.o5.gp	Method	AAT/GAP
Start	15045	End	16828
GI	3759050	Score	1153
Exons	15045..15387, 16226..16311, 16478..16620, 16724..16828		
GI Descrip.	3024028/sp|Q41969|IF2B_ARATH 1.0e-31 EUKARYOTIC TRANSLATION INITIATION FACTOR 2 BETA SUBUNIT (EIF-2-BETA)		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49761	Strand	-
Start	15045	End	18762
Name	OJ991214_03.0114.C5.o2.np	Method	AAT/NAP
Start	15313	End	18512
GI	3122234	Score	1007
Exons	15313..15387, 16226..16311, 16478..16620, 16724..16869, 17296..17396, 17468..17519, 17637..17692, 17770..17875, 18468..18512		
GI Descrip.	EUKARYOTIC TRANSLATION INITIATION FACTOR 2 BETA SUBUNIT (EIF-2-BETA) (P38) gi|2306768 (U87163) eIF-2 beta subunit [Triticum aestivum]		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49761	Strand	-
Start	15045	End	18762
Name	OJ991214_03.0114.C5.o4.gs	Method	GENSCAN
Start	16211	End	18512
GI	none	Score	.83
Exons	16211..16311, 16478..16620, 16724..16869, 17637..17692, 17770..17875, 18468..18512		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49761	Strand	-
Start	15045	End	18762
Name	OJ991214_03.0114.C5.o6.gp	Method	AAT/GAP
Start	17659	End	18762
GI	426404	Score	580
Exons	17659..17692, 17770..17875, 18468..18572, 18666..18762		
GI Descrip.	3122234/sp|O24473|IF2B_WHEAT 5.0e-15 EUKARYOTIC TRANSLATION INITIATION FACTOR 2 BETA SUBUNIT (EIF-2-BETA) (P38) >gi_2306768 (U87163) eIF-2 beta subunit [Triticum aestivum]		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o4.tm	Method	TBLASTX:Maize
Start	4871	End	5720
GI	none	Score	60
Exons	4871..4918, 4871..4921, 4891..4971, 4929..4970, 5009..5074, 5009..5074, 5180..5257, 5181..5258, 5256..5318, 5258..5332,		

5261..5332, 5321..5350, 5326..5358, 5422..5448, 5427..5510,
5453..5485, 5456..5548, 5539..5604, 5556..5588, 5676..5720

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o5.tm	Method	TBLASTX:Maize
Start	12761	End	13357
GI	none	Score	113
Exons	12761..12871, 12773..12880, 12775..12876, 12783..12881, 12787..12882, 13043..13147, 13044..13157, 13044..13157, 13131..13352, 13152..13343, 13157..13357		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o1.tc	Method	TBLASTX:Cress
Start	13140	End	19914
GI	none	Score	50
Exons	13140..13193, 13251..13463, 13467..13724, 13499..13687, 13765..13851, 13767..13856, 13931..14059, 13932..14063, 14138..14308, 14139..14309, 14139..14309, 14141..14317, 14390..14506, 14397..14489, 14592..14801, 14593..14811, 14593..14799, 14649..14810, 14851..14871, 19687..19788, 19837..19914		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o2.ts	Method	TBLASTX:Soybean
Start	13140	End	14819
GI	none	Score	48
Exons	13140..13184, 13242..13397, 13401..13724, 13499..13687, 13758..13850, 13765..13851, 13765..13848, 13767..13856, 13926..14054, 13931..14056, 13931..14059, 13932..14063, 14138..14206, 14139..14207, 14411..14506, 14644..14811, 14649..14819		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o2.tm	Method	TBLASTX:Maize
Start	13359	End	14892
GI	none	Score	450
Exons	13359..13724, 13396..13539, 13499..13687, 13758..13832, 13765..13851, 13765..13851, 13767..13871, 13931..14050, 13932..14063, 13933..14055, 14118..14204, 14135..14206, 14136..14207, 14411..14506, 14593..14814, 14596..14802, 14649..14816, 14823..14879, 14851..14892		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o3.tw	Method	TBLASTX:Wheat
Start	14001	End	19995
GI	none	Score	53
Exons	14001..14048, 14130..14165, 19684..19794, 19685..19792,		

19825..19995

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o1.tm	Method	TBLASTX:Maize
Start	14208	End	21640
GI	none	Score	84
Exons	14208..14321, 19390..20025, 19397..19543, 19398..19574, 19628..20026, 20453..20896, 20454..20600, 20456..20920, 20906..21001, 20940..21044, 21046..21267, 21047..21142, 21048..21638, 21054..21638, 21056..21640, 21269..21640		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o1.ts	Method	TBLASTX:Soybean
Start	14208	End	21287
GI	none	Score	84
Exons	14208..14321, 19390..20025, 19397..19543, 19628..20026, 20453..20896, 20454..20600, 20456..20920, 20906..21001, 20940..21044, 21046..21267, 21046..21276, 21048..21287, 21054..21287		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o1.tw	Method	TBLASTX:Wheat
Start	14633	End	14892
GI	none	Score	119
Exons	14633..14662, 14634..14813, 14635..14802, 14641..14814, 14649..14816, 14832..14876, 14851..14892		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o3.ts	Method	TBLASTX:Soybean
Start	15310	End	17878
GI	none	Score	101
Exons	15310..15387, 15311..15388, 15311..15388, 16226..16312, 16230..16310, 16473..16619, 16477..16629, 16676..16870, 16708..16872, 16708..16872, 17290..17340, 17628..17693, 17771..17830, 17807..17878		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o3.tm	Method	TBLASTX:Maize
Start	15319	End	17878
GI	none	Score	103
Exons	15319..15387, 15320..15388, 16226..16312, 16227..16310, 16230..16316, 16473..16619, 16475..16618, 16477..16629, 16708..16872, 16724..16870, 16726..16872, 17290..17346, 17344..17397, 17628..17693, 17634..17687, 17771..17878, 17773..17871, 17855..17878		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5

Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o2.tc	Method	TBLASTX:Cress
Start	16226	End	17878
GI	none	Score	86
Exons	16226..16309, 16230..16304, 16242..16316, 16424..16477, 16473..16619, 16476..16619, 16477..16626, 16706..16870, 16707..16871, 16708..16872, 16708..16872, 17290..17340, 17637..17678, 17804..17878		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o5.gs	Method	GENSCAN
Start	19393	End	21311
GI	none	Score	.61
Exons	19393..20024, 20458..21311		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o3.np	Method	AAT/NAP
Start	19399	End	21735
GI	6714369	Score	1585
Exons	19399..20017, 20454..21735		
GI Descrip.	(AC012562) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o2.tw	Method	TBLASTX:Wheat
Start	19408	End	19650
GI	none	Score	208
Exons	19408..19650		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o3.tc	Method	TBLASTX:Cress
Start	19426	End	19686
GI	none	Score	66
Exons	19426..19686, 19445..19543, 19625..19669		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o4.tc	Method	TBLASTX:Cress
Start	20456	End	21661
GI	none	Score	78
Exons	20456..20560, 20457..20558, 20567..20773, 20573..20776, 21096..21170, 21194..21319, 21272..21307, 21326..21541, 21536..21586, 21614..21661		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o7.gp	Method	AAT/GAP

Start	20721	End	21151
GI	none	Score	753
Exons	20721..21151		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o8.gp	Method	AAT/GAP
Start	21192	End	21803
GI	33054_1.R1084	Score	1181
Exons	21192..21803		
GI Descrip.	'2760839/gb|AAB95307.1| 4.0e-35 (AC003105) putative receptor kinase [Arabidopsis thaliana]'		

Seq. No.	23871	Seq. ID	OJ991214_03.0114.C5
Gene No.	49762	Strand	-
Start	19393	End	21803
Name	OJ991214_03.0114.C5.o4.ts	Method	TBLASTX:Soybean
Start	21326	End	21589
GI	none	Score	106
Exons	21326..21589, 21336..21569		

Seq. No.	23872	Seq. ID	OJ991214_03.0114.C6
Gene No.	49763	Strand	+
Start	1561	End	2161
Name	OJ991214_03.0114.C6.o1.gs	Method	GENSCAN
Start	1561	End	2161
GI	none	Score	.58
Exons	1561..1671, 1801..1884, 2033..2161		

Seq. No.	23872	Seq. ID	OJ991214_03.0114.C6
Gene No.	49764	Strand	+
Start	3247	End	6666
Name	OJ991214_03.0114.C6.o2.gs	Method	GENSCAN
Start	3247	End	6666
GI	none	Score	.64
Exons	3247..3301, 3707..3789, 5829..5890, 6311..6410, 6652..6666		

Seq. No.	23872	Seq. ID	OJ991214_03.0114.C6
Gene No.	49765	Strand	+
Start	10765	End	12804
Name	OJ991214_03.0114.C6.o1.np	Method	AAT/NAP
Start	10765	End	12804
GI	3786012	Score	588
Exons	10765..11123, 11491..11703, 12630..12804		
GI Descrip.	(AC005499) putative acid phosphatase [Arabidopsis thaliana]		

Seq. No.	23872	Seq. ID	OJ991214_03.0114.C6
Gene No.	49766	Strand	+
Start	15676	End	19632
Name	OJ991214_03.0114.C6.o1.gp	Method	AAT/GAP
Start	15572	End	15963
GI	none	Score	760
Exons	15572..15963		

Seq. No.	23872	Seq. ID	OJ991214_03.0114.C6
Gene No.	49766	Strand	+

Start	15676	End	19632
Name	OJ991214_03.0114.C6.o5.gs	Method	GENSCAN
Start	15676	End	17795
GI	none	Score	.51
Exons	15676..15970, 17686..17795		

Seq. No.	23872	Seq. ID	OJ991214_03.0114.C6
Gene No.	49766	Strand	+
Start	15676	End	19632
Name	OJ991214_03.0114.C6.o2.np	Method	AAT/NAP
Start	17099	End	19632
GI	4204278	Score	319
Exons	17099..17142, 18423..18511, 18664..19296, 19374..19632		
GI Descrip.	(AC004146) putative Cytochrome P450 protein [Arabidopsis thaliana]		

Seq. No.	23872	Seq. ID	OJ991214_03.0114.C6
Gene No.	49766	Strand	+
Start	15676	End	19632
Name	OJ991214_03.0114.C6.o6.gs	Method	GENSCAN
Start	18314	End	19600
GI	none	Score	.78
Exons	18314..18511, 18664..19296, 19374..19600		

Seq. No.	23872	Seq. ID	OJ991214_03.0114.C6
Gene No.	49767	Strand	-
Start	7147	End	8539
Name	OJ991214_03.0114.C6.o3.gs	Method	GENSCAN
Start	7147	End	8539
GI	none	Score	.65
Exons	7147..7229, 7301..7401, 7571..7664, 8172..8268, 8492..8539		

Seq. No.	23872	Seq. ID	OJ991214_03.0114.C6
Gene No.	49768	Strand	
Start	10846	End	12807
Name	OJ991214_03.0114.C6.o1.tc	Method	TBLASTX:Cress
Start	10846	End	12807
GI	none	Score	195
Exons	10846..11124, 12619..12807, 12645..12803, 12679..12807		

Seq. No.	23872	Seq. ID	OJ991214_03.0114.C6
Gene No.	49768	Strand	
Start	10846	End	12807
Name	OJ991214_03.0114.C6.o1.ts	Method	TBLASTX:Soybean
Start	10846	End	11608
GI	none	Score	225
Exons	10846..11124, 11483..11608		

Seq. No.	23872	Seq. ID	OJ991214_03.0114.C6
Gene No.	49768	Strand	
Start	10846	End	12807
Name	OJ991214_03.0114.C6.o3.ts	Method	TBLASTX:Soybean
Start	12613	End	12801
GI	none	Score	189
Exons	12613..12801, 12615..12794		

Seq. No.	23872	Seq. ID	OJ991214_03.0114.C6

Gene No.	49769	Strand	
Start	18283	End	18804
Name	OJ991214_03.0114.C6.o2.tm	Method	TBLASTX:Maize
Start	18283	End	18804
GI	none	Score	348
Exons	18283..18519, 18284..18511, 18651..18773, 18664..18741, 18717..18803, 18739..18804		

Seq. No.	23872	Seq. ID	OJ991214_03.0114.C6
Gene No.	49770	Strand	
Start	19099	End	19631
Name	OJ991214_03.0114.C6.o1.tm	Method	TBLASTX:Maize
Start	19099	End	19631
GI	none	Score	224
Exons	19099..19248, 19099..19233, 19116..19247, 19255..19299, 19374..19535, 19376..19516, 19539..19631, 19595..19630		

Seq. No.	23872	Seq. ID	OJ991214_03.0114.C6
Gene No.	49770	Strand	
Start	19099	End	19631
Name	OJ991214_03.0114.C6.o2.ts	Method	TBLASTX:Soybean
Start	19099	End	19412
GI	none	Score	212
Exons	19099..19230, 19105..19299, 19116..19250, 19373..19411, 19374..19412		

Seq. No.	23872	Seq. ID	OJ991214_03.0114.C6
Gene No.	49770	Strand	
Start	19099	End	19631
Name	OJ991214_03.0114.C6.o1.tw	Method	TBLASTX:Wheat
Start	19102	End	19451
GI	none	Score	192
Exons	19102..19248, 19102..19212, 19116..19247, 19374..19451, 19374..19442		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49771	Strand	+
Start	2895	End	3538
Name	OJ991214_03.0114.C7.o1.gp	Method	AAT/GAP
Start	2895	End	3252
GI	14410_1.R1084	Score	628
Exons	2895..3252		
GI Descrip.	'5262218/emb|CAB45844.1| 1.0e-13 (AL080254) calcium-binding protein-like [Arabidopsis thaliana]'		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49771	Strand	+
Start	2895	End	3538
Name	OJ991214_03.0114.C7.o1.np	Method	AAT/NAP
Start	2976	End	3538
GI	5262218	Score	442
Exons	2976..3538		
GI Descrip.	(AL080254) calcium-binding protein-like [Arabidopsis thaliana]		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49772	Strand	+
Start	5159	End	14251

Name	OJ991214_03.0114.C7.o2.gs	Method	GENSCAN
Start	5159	End	14234
GI	none	Score	.91
Exons	5159..5200, 6667..6951, 7142..7356, 7649..8002, 8185..8501, 8729..8820, 8933..9260, 9561..9768, 10788..10902, 11256..11423, 12037..12709, 12785..12991, 13144..14234		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49772	Strand	+
Start	5159	End	14251
Name	OJ991214_03.0114.C7.o2.np	Method	AAT/NAP
Start	6863	End	14251
GI	6554175	Score	1561
Exons	6863..7141, 7243..7356, 7649..8002, 8185..8501, 8786..8826, 8858..9260, 9705..9768, 10788..10902, 12037..12709, 12785..12980, 13130..14251		
GI Descrip.	(AC006072) unknown protein [Arabidopsis thaliana]		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49772	Strand	+
Start	5159	End	14251
Name	OJ991214_03.0114.C7.o2.gp	Method	AAT/GAP
Start	7869	End	7970
GI	uC-osflcyp039h03b1	Score	174
Exons	7869..7970		
GI Descrip.	'6002631/gb|AAF00071.1|AF093604_1 9.0e-32 (AF093604) apyrase [Arabidopsis thaliana]'		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49773	Strand	+
Start	15056	End	20918
Name	OJ991214_03.0114.C7.o3.gs	Method	GENSCAN
Start	15056	End	20691
GI	none	Score	.86
Exons	15056..15298, 15442..15554, 15999..16074, 16173..16315, 16725..16808, 17457..17664, 17754..17839, 18228..18459, 18584..18704, 18843..18936, 19832..19893, 19984..20026, 20178..20349, 20425..20495, 20598..20691		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49773	Strand	+
Start	15056	End	20918
Name	OJ991214_03.0114.C7.o3.np	Method	AAT/NAP
Start	15378	End	20918
GI	2500112	Score	419
Exons	15378..15554, 15999..16074, 16173..16309, 16530..16616, 16725..16808, 17457..17664, 17754..17839, 18228..18459, 18584..18704, 18843..18979, 19319..19435, 20883..20918		
GI Descrip.	ATP-DEPENDENT DNA HELICASE RECQ gi|1573732 (U32756) ATP-dependent DNA helicase (recQ) [Haemophilus influenzae Rd]		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49774	Strand	-
Start	13842	End	14385
Name	OJ991214_03.0114.C7.o1.ts	Method	TBLASTX:Soybean
Start	1569	End	13808
GI	none	Score	206

Exons	1569..1688, 13151..13417, 13188..13409, 13521..13598, 13662..13808		
Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49774	Strand	-
Start	13842	End	14385
Name	OJ991214_03.0114.C7.o2.tm	Method	TBLASTX:Maize
Start	3017	End	3564
GI	none	Score	408
Exons	3017..3280, 3041..3157, 3065..3154, 3196..3252, 3325..3555, 3326..3556, 3326..3415, 3426..3560, 3499..3564		
Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49774	Strand	-
Start	13842	End	14385
Name	OJ991214_03.0114.C7.o2.ts	Method	TBLASTX:Soybean
Start	3017	End	3415
GI	none	Score	251
Exons	3017..3286, 3044..3157, 3326..3415		
Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49774	Strand	-
Start	13842	End	14385
Name	OJ991214_03.0114.C7.o2.tc	Method	TBLASTX:Cress
Start	3050	End	3520
GI	none	Score	100
Exons	3050..3256, 3065..3166, 3325..3519, 3326..3520, 3338..3415		
Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49774	Strand	-
Start	13842	End	14385
Name	OJ991214_03.0114.C7.o8.tm	Method	TBLASTX:Maize
Start	6889	End	7357
GI	none	Score	60
Exons	6889..6954, 6955..6996, 7012..7062, 7040..7141, 7041..7142, 7240..7356, 7241..7357		
Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49774	Strand	-
Start	13842	End	14385
Name	OJ991214_03.0114.C7.o5.tm	Method	TBLASTX:Maize
Start	8169	End	8808
GI	none	Score	223
Exons	8169..8378, 8171..8377, 8171..8407, 8341..8499, 8375..8500, 8375..8506, 8379..8501, 8383..8502, 8727..8807, 8728..8808, 8728..8805		
Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49774	Strand	-
Start	13842	End	14385
Name	OJ991214_03.0114.C7.o9.tm	Method	TBLASTX:Maize
Start	8896	End	9153
GI	none	Score	109
Exons	8896..9078, 8928..9020, 8933..9073, 8979..9083, 9032..9151, 9053..9139, 9082..9144, 9082..9153		
Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7

Gene No.	49774	Strand	-
Start	13842	End	14385
Name	OJ991214_03.0114.C7.o10.tm	Method	TBLASTX:Maize
Start	9186	End	11421
GI	none	Score	66
Exons	9186..9251, 9187..9255, 9188..9262, 10782..10898, 10786..10902, 10796..10906, 10797..10907, 11242..11316, 11254..11316, 11294..11419, 11316..11420, 11326..11421		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49774	Strand	-
Start	13842	End	14385
Name	OJ991214_03.0114.C7.o7.tm	Method	TBLASTX:Maize
Start	9557	End	9768
GI	none	Score	304
Exons	9557..9766, 9560..9766, 9562..9768		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49774	Strand	-
Start	13842	End	14385
Name	OJ991214_03.0114.C7.o3.ts	Method	TBLASTX:Soybean
Start	10786	End	12474
GI	none	Score	127
Exons	10786..10902, 10827..10898, 12036..12209, 12037..12096, 12127..12210, 12232..12288, 12363..12470, 12364..12474		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49774	Strand	-
Start	13842	End	14385
Name	OJ991214_03.0114.C7.o3.tm	Method	TBLASTX:Maize
Start	12108	End	12675
GI	none	Score	353
Exons	12108..12512, 12108..12236, 12109..12516, 12116..12475, 12436..12594, 12525..12593, 12536..12595, 12589..12675, 12589..12675		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49774	Strand	-
Start	13842	End	14385
Name	OJ991214_03.0114.C7.o1.tm	Method	TBLASTX:Maize
Start	12843	End	13793
GI	none	Score	234
Exons	12843..12992, 12844..12993, 12847..12993, 12884..12994, 13135..13452, 13138..13476, 13143..13781, 13145..13792, 13188..13793		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49774	Strand	-
Start	13842	End	14385
Name	OJ991214_03.0114.C7.o1.tc	Method	TBLASTX:Cress
Start	13218	End	14221
GI	none	Score	163
Exons	13218..13409, 13244..13429, 13671..13820, 13836..13937, 13953..14195, 13953..14096, 13982..14221		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49774	Strand	-

Start	13842	End	14385
Name	OJ991214_03.0114.C7.o3.gp	Method	AAT/GAP
Start	13842	End	14385
GI	2173_1.R1084	Score	1088
Exons	13842..14385		
GI Descrip.	'5729704/gb|AAD48511.1|AC007927_1 2.0e-23 (AC007927) unknown protein, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49774	Strand	-
Start	13842	End	14385
Name	OJ991214_03.0114.C7.o4.tm	Method	TBLASTX:Maize
Start	13906	End	14261
GI	none	Score	125
Exons	13906..13989, 13907..14035, 13908..13991, 13994..14260, 13995..14261		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49774	Strand	-
Start	13842	End	14385
Name	OJ991214_03.0114.C7.o4.ts	Method	TBLASTX:Soybean
Start	13953	End	14231
GI	none	Score	242
Exons	13953..14231, 13977..14204		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49775	Strand	
Start	18232	End	18432
Name	OJ991214_03.0114.C7.o11.tm	Method	TBLASTX:Maize
Start	18232	End	18432
GI	none	Score	191
Exons	18232..18432, 18252..18395		

Seq. No.	23873	Seq. ID	OJ991214_03.0114.C7
Gene No.	49776	Strand	
Start	20173	End	20918
Name	OJ991214_03.0114.C7.o6.tm	Method	TBLASTX:Maize
Start	20173	End	20918
GI	none	Score	181
Exons	20173..20349, 20175..20351, 20176..20349, 20416..20505, 20422..20496, 20424..20507, 20598..20690, 20599..20691, 20599..20691, 20838..20918, 20840..20917		

Seq. No.	23874	Seq. ID	OJ991214_03.0114.C8
Gene No.	49777	Strand	+
Start	272	End	783
Name	OJ991214_03.0114.C8.o1.gs	Method	GENSCAN
Start	272	End	783
GI	none	Score	.74
Exons	272..580, 658..783		

Seq. No.	23875	Seq. ID	OJ991214_03.0114.C9
Gene No.	49778	Strand	+
Start	155	End	4098
Name	OJ991214_03.0114.C9.o1.gs	Method	GENSCAN
Start	155	End	4098
GI	none	Score	.76

Exons	155..256, 628..724, 1694..2021, 2303..2660, 2752..3294, 3497..3695, 4066..4098		
Seq. No.	23875	Seq. ID	OJ991214_03.0114.C9
Gene No.	49778	Strand	+
Start	155	End	4098
Name	OJ991214_03.0114.C9.o1.np	Method	AAT/NAP
Start	292	End	3775
GI	3786007	Score	1169
Exons	292..324, 1769..2021, 2303..2660, 2752..3294, 3497..3775		
GI Descrip.	(AC005499) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23875	Seq. ID	OJ991214_03.0114.C9
Gene No.	49778	Strand	+
Start	155	End	4098
Name	OJ991214_03.0114.C9.o3.ts	Method	TBLASTX:Soybean
Start	1842	End	2028
GI	none	Score	182
Exons	1842..2015, 1846..2028		

Seq. No.	23875	Seq. ID	OJ991214_03.0114.C9
Gene No.	49778	Strand	+
Start	155	End	4098
Name	OJ991214_03.0114.C9.o1.ts	Method	TBLASTX:Soybean
Start	2307	End	2871
GI	none	Score	244
Exons	2307..2660, 2746..2871		

Seq. No.	23875	Seq. ID	OJ991214_03.0114.C9
Gene No.	49778	Strand	+
Start	155	End	4098
Name	OJ991214_03.0114.C9.o1.tc	Method	TBLASTX:Cress
Start	2310	End	3147
GI	none	Score	237
Exons	2310..2660, 2746..2871, 2980..3147		

Seq. No.	23875	Seq. ID	OJ991214_03.0114.C9
Gene No.	49778	Strand	+
Start	155	End	4098
Name	OJ991214_03.0114.C9.o1.tm	Method	TBLASTX:Maize
Start	2324	End	3610
GI	none	Score	77
Exons	2324..2374, 2325..2372, 2370..2633, 2370..2561, 2523..2681, 2549..2668, 2550..2675, 2749..3273, 2750..3247, 2769..3293, 3075..3293, 3085..3294, 3482..3538, 3494..3550, 3535..3609, 3536..3610		

Seq. No.	23875	Seq. ID	OJ991214_03.0114.C9
Gene No.	49778	Strand	+
Start	155	End	4098
Name	OJ991214_03.0114.C9.o2.ts	Method	TBLASTX:Soybean
Start	3509	End	3793
GI	none	Score	190
Exons	3509..3793		

Seq. No.	23875	Seq. ID	OJ991214_03.0114.C9
Gene No.	49778	Strand	+

Start	155	End	4098
Name	OJ991214_03.0114.C9.o2.tc	Method	TBLASTX:Cress
Start	3538	End	3763
GI	none	Score	193
Exons	3538..3732, 3539..3763		

Seq. No.	23875	Seq. ID	OJ991214_03.0114.C9
Gene No.	49778	Strand	+
Start	155	End	4098
Name	OJ991214_03.0114.C9.o1.tw	Method	TBLASTX:Wheat
Start	3551	End	3775
GI	none	Score	180
Exons	3551..3775, 3574..3774		

Seq. No.	23875	Seq. ID	OJ991214_03.0114.C9
Gene No.	49778	Strand	+
Start	155	End	4098
Name	OJ991214_03.0114.C9.o2.tm	Method	TBLASTX:Maize
Start	3633	End	3799
GI	none	Score	116
Exons	3633..3764, 3633..3773, 3637..3777, 3641..3799, 3643..3798		

Seq. No.	23876	Seq. ID	OJ991214_03.0114.C11
Gene No.	49779	Strand	-
Start	358	End	491
Name	OJ991214_03.0114.C11.o1.gs	Method	GENSCAN
Start	358	End	491
GI	none	Score	.43
Exons	358..491		

Seq. No.	23877	Seq. ID	OJ991214_02.0111.C2
Gene No.	49780	Strand	-
Start	1	End	536
Name	OJ991214_02.0111.C2.o1.np	Method	AAT/NAP
Start	1	End	536
GI	6815109	Score	125
Exons	1..22, 175..536		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	23878	Seq. ID	OJ991214_02.0111.C3
Gene No.	49781	Strand	+
Start	327	End	1913
Name	OJ991214_02.0111.C3.o1.gs	Method	GENSCAN
Start	327	End	1913
GI	none	Score	.79
Exons	327..465, 500..501, 652..887, 1739..1913		

Seq. No.	23879	Seq. ID	OJ991214_02.0111.C4
Gene No.	49782	Strand	-
Start	475	End	1044
Name	OJ991214_02.0111.C4.o1.gs	Method	GENSCAN
Start	475	End	1044
GI	none	Score	.99
Exons	475..1044		

Seq. No.	23880	Seq. ID	OJ991214_02.0111.C5
Gene No.	49783	Strand	+

Start	6038	End	10865
Name	OJ991214_02.0111.C5.o3.gs	Method	GENSCAN
Start	6038	End	10865
GI	none	Score	.44
Exons	6038..6085, 6745..6918, 7011..7136, 9189..9216, 10159..10237, 10700..10865		

Seq. No.	23880	Seq. ID	OJ991214_02.0111.C5
Gene No.	49784	Strand	-
Start	1	End	12771
Name	OJ991214_02.0111.C5.o1.np	Method	AAT/NAP
Start	1	End	1661
GI	4467124	Score	584
Exons	1..31, 102..559, 647..1374, 1490..1661		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23880	Seq. ID	OJ991214_02.0111.C5
Gene No.	49784	Strand	-
Start	1	End	12771
Name	OJ991214_02.0111.C5.o1.gs	Method	GENSCAN
Start	125	End	2236
GI	none	Score	.63
Exons	125..255, 367..559, 1093..1348, 1491..1713, 1795..1967, 2177..2236		

Seq. No.	23880	Seq. ID	OJ991214_02.0111.C5
Gene No.	49784	Strand	-
Start	1	End	12771
Name	OJ991214_02.0111.C5.o1.tw	Method	TBLASTX:Wheat
Start	202	End	722
GI	none	Score	150
Exons	202..546, 204..572, 648..722		

Seq. No.	23880	Seq. ID	OJ991214_02.0111.C5
Gene No.	49784	Strand	-
Start	1	End	12771
Name	OJ991214_02.0111.C5.o2.ts	Method	TBLASTX:Soybean
Start	240	End	560
GI	none	Score	198
Exons	240..560		

Seq. No.	23880	Seq. ID	OJ991214_02.0111.C5
Gene No.	49784	Strand	-
Start	1	End	12771
Name	OJ991214_02.0111.C5.o3.np	Method	AAT/NAP
Start	382	End	12771
GI	5042454	Score	274
Exons	382..435, 6672..7049, 7878..8144, 12711..12771		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	23880	Seq. ID	OJ991214_02.0111.C5
Gene No.	49784	Strand	-
Start	1	End	12771
Name	OJ991214_02.0111.C5.o1.tm	Method	TBLASTX:Maize
Start	447	End	961
GI	none	Score	95
Exons	447..614, 725..961, 731..856		

Seq. No.	23880	Seq. ID	OJ991214_02.0111.C5
Gene No.	49784	Strand	-
Start	1	End	12771
Name	OJ991214_02.0111.C5.o2.tc	Method	TBLASTX:Cress
Start	728	End	988
GI	none	Score	64
Exons	728..988, 780..908		

Seq. No.	23880	Seq. ID	OJ991214_02.0111.C5
Gene No.	49784	Strand	-
Start	1	End	12771
Name	OJ991214_02.0111.C5.o1.ts	Method	TBLASTX:Soybean
Start	776	End	988
GI	none	Score	75
Exons	776..856, 776..988		

Seq. No.	23880	Seq. ID	OJ991214_02.0111.C5
Gene No.	49784	Strand	-
Start	1	End	12771
Name	OJ991214_02.0111.C5.o1.gp	Method	AAT/GAP
Start	2290	End	3075
GI	95583_1.R1084	Score	1160
Exons	2290..2733, 2833..3075		
GI Descrip.	'343696/gb|K01229|WHTMTRR18 0.0e+00 Wheat mitochondrial small subunit (18S) rRNA gene (complete)'		

Seq. No.	23880	Seq. ID	OJ991214_02.0111.C5
Gene No.	49784	Strand	-
Start	1	End	12771
Name	OJ991214_02.0111.C5.o2.np	Method	AAT/NAP
Start	2553	End	5302
GI	6815109	Score	146
Exons	2553..2572, 4909..5302		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	23880	Seq. ID	OJ991214_02.0111.C5
Gene No.	49784	Strand	-
Start	1	End	12771
Name	OJ991214_02.0111.C5.o1.tc	Method	TBLASTX:Cress
Start	9550	End	9693
GI	none	Score	235
Exons	9550..9693, 9553..9687, 9554..9688		

Seq. No.	23880	Seq. ID	OJ991214_02.0111.C5
Gene No.	49784	Strand	-
Start	1	End	12771
Name	OJ991214_02.0111.C5.o6.gp	Method	AAT/GAP
Start	9551	End	9691
GI	5003694	Score	237
Exons	9551..9691		
GI Descrip.	343696/gb|K01229|WHTMTRR18 0.0e+00 Wheat mitochondrial small subunit (18S) rRNA gene (complete)		

Seq. No.	23881	Seq. ID	OJ991214_02.0111.C6
Gene No.	49785	Strand	+
Start	264	End	4386

Name	OJ991214_02.0111.C6.o1.gs	Method	GENSCAN
Start	264	End	2517
GI	none	Score	.78
Exons	264..375, 817..898, 1034..1074, 1344..1431, 1865..2517		

Seq. No.	23881	Seq. ID	OJ991214_02.0111.C6
Gene No.	49785	Strand	+
Start	264	End	4386
Name	OJ991214_02.0111.C6.o1.gp	Method	AAT/GAP
Start	817	End	1114
GI	LIB3475-003-P1-K2-E3	Score	180
Exons	817..898, 1034..1114		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	23881	Seq. ID	OJ991214_02.0111.C6
Gene No.	49785	Strand	+
Start	264	End	4386
Name	OJ991214_02.0111.C6.o1.np	Method	AAT/NAP
Start	1402	End	4386
GI	4585985	Score	1258
Exons	1402..1463, 2001..2556, 2788..3240, 3339..3852, 3898..4386		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23881	Seq. ID	OJ991214_02.0111.C6
Gene No.	49785	Strand	+
Start	264	End	4386
Name	OJ991214_02.0111.C6.o1.tm	Method	TBLASTX:Maize
Start	2188	End	2984
GI	none	Score	82
Exons	2188..2241, 2190..2240, 2248..2505, 2321..2392, 2397..2486, 2508..2711, 2511..2681, 2603..2695, 2721..2984		

Seq. No.	23881	Seq. ID	OJ991214_02.0111.C6
Gene No.	49785	Strand	+
Start	264	End	4386
Name	OJ991214_02.0111.C6.o2.gs	Method	GENSCAN
Start	2736	End	4335
GI	none	Score	.65
Exons	2736..3230, 3398..4335		

Seq. No.	23881	Seq. ID	OJ991214_02.0111.C6
Gene No.	49785	Strand	+
Start	264	End	4386
Name	OJ991214_02.0111.C6.o1.tw	Method	TBLASTX:Wheat
Start	2808	End	3209
GI	none	Score	266
Exons	2808..3116, 2909..3103, 3129..3209		

Seq. No.	23881	Seq. ID	OJ991214_02.0111.C6
Gene No.	49785	Strand	+
Start	264	End	4386
Name	OJ991214_02.0111.C6.o2.tm	Method	TBLASTX:Maize
Start	2987	End	3394
GI	none	Score	174
Exons	2987..3118, 2991..3116, 3116..3238, 3123..3227, 3338..3394		

Seq. No.	23882	Seq. ID	OJ991214_02.0111.C7
Gene No.	49786	Strand	+
Start	1	End	6179
Name	OJ991214_02.0111.C7.o1.np	Method	AAT/NAP
Start	1	End	1643
GI	6815072	Score	1173
Exons	1..1643		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	23882	Seq. ID	OJ991214_02.0111.C7
Gene No.	49786	Strand	+
Start	1	End	6179
Name	OJ991214_02.0111.C7.o1.gs	Method	GENSCAN
Start	108	End	6179
GI	none	Score	.63
Exons	108..435, 715..1191, 1537..1595, 1961..2104, 2250..2460, 2551..2653, 2768..2898, 3030..3105, 3194..3326, 3933..4115, 4199..4281, 4916..5018, 5673..5756, 6132..6179		

Seq. No.	23882	Seq. ID	OJ991214_02.0111.C7
Gene No.	49787	Strand	-
Start	9183	End	15226
Name	OJ991214_02.0111.C7.o3.tm	Method	TBLASTX:Maize
Start	78	End	302
GI	none	Score	224
Exons	78..302, 161..301		

Seq. No.	23882	Seq. ID	OJ991214_02.0111.C7
Gene No.	49787	Strand	-
Start	9183	End	15226
Name	OJ991214_02.0111.C7.o1.tm	Method	TBLASTX:Maize
Start	447	End	815
GI	none	Score	344
Exons	447..815, 458..553, 471..641		

Seq. No.	23882	Seq. ID	OJ991214_02.0111.C7
Gene No.	49787	Strand	-
Start	9183	End	15226
Name	OJ991214_02.0111.C7.o2.ts	Method	TBLASTX:Soybean
Start	1074	End	1298
GI	none	Score	192
Exons	1074..1298, 1124..1291		

Seq. No.	23882	Seq. ID	OJ991214_02.0111.C7
Gene No.	49787	Strand	-
Start	9183	End	15226
Name	OJ991214_02.0111.C7.o2.tm	Method	TBLASTX:Maize
Start	1104	End	1442
GI	none	Score	199
Exons	1104..1349, 1353..1442		

Seq. No.	23882	Seq. ID	OJ991214_02.0111.C7
Gene No.	49787	Strand	-
Start	9183	End	15226
Name	OJ991214_02.0111.C7.o1.tc	Method	TBLASTX:Cress
Start	1131	End	1376

GI	none	Score	227
Exons	1131..1376, 1181..1375		

Seq. No.	23882	Seq. ID	OJ991214_02.0111.C7
Gene No.	49787	Strand	-
Start	9183	End	15226
Name	OJ991214_02.0111.C7.o1.ts	Method	TBLASTX:Soybean
Start	1368	End	1550
GI	none	Score	200
Exons	1368..1550, 1368..1511, 1412..1543		

Seq. No.	23882	Seq. ID	OJ991214_02.0111.C7
Gene No.	49787	Strand	-
Start	9183	End	15226
Name	OJ991214_02.0111.C7.o2.np	Method	AAT/NAP
Start	8766	End	12442
GI	5091513	Score	2176
Exons	8766..8983, 9437..9580, 9614..10591, 11335..12442		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	23882	Seq. ID	OJ991214_02.0111.C7
Gene No.	49787	Strand	-
Start	9183	End	15226
Name	OJ991214_02.0111.C7.o2.gs	Method	GENSCAN
Start	9183	End	15226
GI	none	Score	.61
Exons	9183..9622, 9799..10565, 11760..12089, 12223..12473, 13178..13238, 15177..15226		

Seq. No.	23882	Seq. ID	OJ991214_02.0111.C7
Gene No.	49787	Strand	-
Start	9183	End	15226
Name	OJ991214_02.0111.C7.o1.gp	Method	AAT/GAP
Start	13318	End	13644
GI	72524_1.R1084	Score	410
Exons	13318..13644		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	23883	Seq. ID	OJ991214_02.0111.C8
Gene No.	49788	Strand	+
Start	3337	End	3980
Name	OJ991214_02.0111.C8.o1.gs	Method	GENSCAN
Start	3337	End	3980
GI	none	Score	.55
Exons	3337..3548, 3806..3980		

Seq. No.	23883	Seq. ID	OJ991214_02.0111.C8
Gene No.	49789	Strand	-
Start	11298	End	12269
Name	OJ991214_02.0111.C8.o3.gs	Method	GENSCAN
Start	11298	End	12269
GI	none	Score	.52
Exons	11298..11342, 11803..11847, 12225..12269		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49790	Strand	+

Start	1	End	2667
Name	OJ991214_02.0111.C10.o1.np	Method	AAT/NAP
Start	1	End	2667
GI	6069646	Score	2253
Exons	1..43, 575..1403, 1688..2667		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49790	Strand	+
Start	1	End	2667
Name	OJ991214_02.0111.C10.o1.gs	Method	GENSCAN
Start	603	End	2547
GI	none	Score	.61
Exons	603..700, 778..1027, 1084..1216, 1684..1894, 2329..2375, 2439..2547		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49791	Strand	+
Start	11370	End	14409
Name	OJ991214_02.0111.C10.o3.gs	Method	GENSCAN
Start	11370	End	14409
GI	none	Score	.79
Exons	11370..11384, 11986..12184, 14387..14409		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49792	Strand	+
Start	37910	End	40871
Name	OJ991214_02.0111.C10.o4.np	Method	AAT/NAP
Start	37910	End	40871
GI	5902445	Score	2165
Exons	37910..38916, 39159..39500, 39546..40871		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49793	Strand	+
Start	46828	End	47163
Name	OJ991214_02.0111.C10.o7.gp	Method	AAT/GAP
Start	46828	End	47163
GI	uC-osroM202025d06b1	Score	454
Exons	46828..47163		
GI Descrip.	'3036816/emb|CAA18506| 4.0e-15 (AL022373) myosin-like protein [Arabidopsis thaliana]'		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49794	Strand	-
Start	161	End	331
Name	OJ991214_02.0111.C10.o1.gp	Method	AAT/GAP
Start	161	End	331
GI	10431_1.R1084	Score	310
Exons	161..331		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49795	Strand	-
Start	6330	End	9975
Name	OJ991214_02.0111.C10.o2.gp	Method	AAT/GAP
Start	5995	End	6242
GI	286920	Score	496
Exons	5995..6242		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49795	Strand	-
Start	6330	End	9975
Name	OJ991214_02.0111.C10.o2.gs	Method	GENSCAN
Start	6330	End	9963
GI	none	Score	1
Exons	6330..6823, 7050..9963		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49795	Strand	-
Start	6330	End	9975
Name	OJ991214_02.0111.C10.o2.np	Method	AAT/NAP
Start	6369	End	9975
GI	2982452	Score	1900
Exons	6369..6845, 7034..7461, 7504..7704, 7747..7880, 7920..8469, 8695..9975		
GI Descrip.	(AL022223) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49796	Strand	-
Start	17764	End	25601
Name	OJ991214_02.0111.C10.o4.gs	Method	GENSCAN
Start	17764	End	25574
GI	none	Score	.67
Exons	17764..17847, 18945..19031, 21895..22121, 22207..22336, 23138..23244, 24673..24793, 25179..25243, 25323..25404, 25449..25574		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49796	Strand	-
Start	17764	End	25601
Name	OJ991214_02.0111.C10.o3.np	Method	AAT/NAP
Start	18893	End	22098
GI	6069471	Score	370
Exons	18893..19031, 19498..19555, 20410..20550, 20674..20706, 21476..21547, 21624..21716, 21895..22098		
GI Descrip.	(AB022071) S-locus protein 3 [Brassica rapa]		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49796	Strand	-
Start	17764	End	25601
Name	OJ991214_02.0111.C10.o3.gp	Method	AAT/GAP
Start	21992	End	25601
GI	6720_1.R1084	Score	1029
Exons	21992..22121, 22207..22334, 23304..23364, 24124..24181, 25279..25361, 25449..25601		
GI Descrip.	'4680685/gb|AAD27732.1|AF132957_1 2.0e-20 (AF132957) CGI-23 protein [Homo sapiens]'		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49797	Strand	-
Start	26485	End	28575
Name	OJ991214_02.0111.C10.o5.gs	Method	GENSCAN
Start	26485	End	28575
GI	none	Score	.46
Exons	26485..26553, 26600..26777, 27089..27248, 27813..28102, 28370..28575		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49798	Strand	-
Start	33840	End	34225
Name	OJ991214_02.0111.C10.o4.gp	Method	AAT/GAP
Start	33840	End	34225
GI	uC-osflcyp033a04b1	Score	641
Exons	33840..34225		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o2.tm	Method	TBLASTX:Maize
Start	940	End	1626
GI	none	Score	77
Exons	940..1035, 949..1029, 1017..1466, 1029..1448, 1465..1626, 1466..1624		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o7.tm	Method	TBLASTX:Maize
Start	2056	End	12624
GI	none	Score	73
Exons	2056..2181, 2214..2285, 2215..2409, 2443..2637, 12025..12144, 12165..12284, 12166..12366, 12427..12624		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o10.tw	Method	TBLASTX:Wheat
Start	2206	End	12510
GI	none	Score	167
Exons	2206..2385, 2217..2339, 2509..2541, 12157..12351, 12466..12510		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o1.tc	Method	TBLASTX:Cress
Start	6489	End	9828
GI	none	Score	80
Exons	6489..6611, 6729..6824, 7120..7284, 7208..7282, 7324..7461, 7525..7641, 7930..8169, 7987..8028, 8083..8166, 8086..8175, 8086..8169, 8086..8169, 8173..8244, 8173..8460, 8176..8652, 8176..8553, 8179..8769, 8179..8616, 8197..8652, 8197..8652, 8197..8649, 8200..8652, 8204..8374, 8209..8649, 8281..8652,		

8329..8649, 8698..9048, 8701..9114, 8701..9093, 8707..8964,
8708..8866, 8710..8778, 8710..9333, 8710..9093, 8710..9252,
8764..9336, 8785..9375, 8843..9013, 8855..9160, 8929..9384,
8933..9226, 8981..9085, 9070..9378, 9196..9375, 9433..9483,
9469..9672, 9475..9726, 9484..9726, 9487..9699, 9490..9708,
9490..9708, 9490..9702, 9490..9630, 9490..9708, 9490..9726,
9508..9702, 9511..9726, 9568..9684, 9718..9828

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o1.ts	Method	TBLASTX:Soybean
Start	6519	End	9765
GI	none	Score	88

Exons 6519..6620, 6687..6824, 7051..7284, 7315..7467, 7343..7459,
7517..7678, 7528..7677, 8086..8799, 8161..8649, 8170..8532,
8173..8445, 8176..8517, 8188..8475, 8197..8589, 8197..8376,
8278..8652, 8347..8652, 8351..8650, 8419..8805, 8452..8571,
8638..9045, 8701..9087, 8704..9117, 8710..9369, 8710..8949,
8710..9306, 8749..9384, 8827..8931, 8920..9117, 9172..9291,
9355..9699, 9490..9726, 9490..9663, 9490..9603, 9493..9765,
9496..9708, 9499..9708, 9508..9708

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o1.tm	Method	TBLASTX:Maize
Start	6750	End	7687
GI	none	Score	73

Exons 6750..6824, 7051..7284, 7315..7461, 7343..7462, 7514..7687,
7528..7677

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o6.tw	Method	TBLASTX:Wheat
Start	7147	End	7491
GI	none	Score	99

Exons 7147..7284, 7175..7285, 7315..7491, 7324..7461

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o3.tm	Method	TBLASTX:Maize
Start	7990	End	36962
GI	none	Score	104

Exons 7990..8031, 8086..8169, 8123..8170, 8188..8472, 8191..8460,
8197..8532, 8201..8518, 8203..8652, 8204..8362, 8206..8604,
8278..8541, 8347..8637, 8384..8650, 8404..8649, 8407..8892,
8420..8650, 8492..8722, 8494..8748, 8548..8805, 8629..8925,
8629..9120, 8630..9109, 8710..8964, 8711..8893, 8764..9036,
8767..9117, 8780..9022, 8854..9324, 8854..9120, 8914..9378,
8918..9226, 8980..9093, 8996..9226, 9052..9102, 9065..9298,
9068..9361, 9163..9387, 9178..9327, 9208..9336, 9208..9378,
9214..9378, 9355..9507, 9433..9471, 9484..9546, 9490..9699,
9490..9696, 9493..9618, 9496..9693, 9508..9702, 9569..9691,
9580..9708, 9649..9708, 9712..9780, 36783..36962

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o8.tw	Method	TBLASTX:Wheat
Start	8179	End	9840
GI	none	Score	71
Exons	8179..8388, 8293..8622, 8365..8652, 8710..8805, 8713..8910, 8725..9066, 8941..9252, 9163..9378, 9490..9708, 9781..9840		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o8.tm	Method	TBLASTX:Maize
Start	22072	End	25544
GI	none	Score	80
Exons	22072..22122, 22073..22123, 22207..22338, 22208..22363, 22209..22352, 23305..23367, 24109..24183, 24113..24184, 24118..24195, 24122..24196, 25278..25364, 25279..25359, 25446..25514, 25506..25544		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o3.ts	Method	TBLASTX:Soybean
Start	25276	End	25544
GI	none	Score	76
Exons	25276..25374, 25278..25364, 25446..25544		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o9.tw	Method	TBLASTX:Wheat
Start	28173	End	28294
GI	none	Score	104
Exons	28173..28277, 28174..28275, 28175..28294		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o2.tc	Method	TBLASTX:Cress
Start	28174	End	28420
GI	none	Score	149
Exons	28174..28302, 28175..28294, 28367..28420, 28371..28412		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o4.ts	Method	TBLASTX:Soybean
Start	28174	End	28447
GI	none	Score	161
Exons	28174..28302, 28175..28294, 28367..28447, 28371..28412		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o4.tw	Method	TBLASTX:Wheat

Start	37213	End	37728
GI	none	Score	91
Exons	37213..37329, 37352..37699, 37411..37728		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o1.tw	Method	TBLASTX:Wheat
Start	37856	End	38317
GI	none	Score	552
Exons	37856..38290, 37859..38317, 37864..38316		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o5.ts	Method	TBLASTX:Soybean
Start	37895	End	38260
GI	none	Score	112
Exons	37895..38110, 38126..38260		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o4.tm	Method	TBLASTX:Maize
Start	37985	End	38341
GI	none	Score	376
Exons	37985..38341, 38020..38331		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o6.tm	Method	TBLASTX:Maize
Start	38368	End	38751
GI	none	Score	276
Exons	38368..38646, 38369..38647, 38369..38647, 38641..38751		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o2.ts	Method	TBLASTX:Soybean
Start	38402	End	38638
GI	none	Score	202
Exons	38402..38638, 38419..38616		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o2.tw	Method	TBLASTX:Wheat
Start	38426	End	38835
GI	none	Score	275
Exons	38426..38656, 38431..38646, 38638..38784, 38779..38835		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o5.tw	Method	TBLASTX:Wheat
Start	39246	End	39695

GI	none	Score	209
Exons	39246..39470, 39314..39487, 39543..39695, 39557..39694		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o5.tm	Method	TBLASTX:Maize
Start	39814	End	40137
GI	none	Score	328
Exons	39814..40137, 39927..40127		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o3.tw	Method	TBLASTX:Wheat
Start	39951	End	40305
GI	none	Score	342
Exons	39951..40298, 39952..40305		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o7.tw	Method	TBLASTX:Wheat
Start	40327	End	40862
GI	none	Score	229
Exons	40327..40575, 40458..40559, 40649..40711, 40830..40862		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o5.np	Method	AAT/NAP
Start	41593	End	45168
GI	5803259	Score	1901
Exons	41593..42267, 42373..42582, 42718..43738, 43896..44142, 44176..45168		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	23884	Seq. ID	OJ991214_02.0111.C10
Gene No.	49799	Strand	-
Start	41758	End	45168
Name	OJ991214_02.0111.C10.o7.gs	Method	GENSCAN
Start	41758	End	45159
GI	none	Score	.88
Exons	41758..43203, 43463..43744, 43890..44428, 44434..44963, 44990..45159		

Seq. No.	23885	Seq. ID	OJ991014_08.0112.C1
Gene No.	49800	Strand	-
Start	1	End	88
Name	OJ991014_08.0112.C1.o1.np	Method	AAT/NAP
Start	1	End	88
GI	2245069	Score	115
Exons	1..88		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23885	Seq. ID	OJ991014_08.0112.C1
Gene No.	49801	Strand	-

Start	186	End	344
Name	OJ991014_08.0112.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	130
GI	none	Score	118
Exons	1..108, 2..109, 2..130		

Seq. No.	23885	Seq. ID	OJ991014_08.0112.C1
Gene No.	49801	Strand	-
Start	186	End	344
Name	OJ991014_08.0112.C1.o1.gs	Method	GENSCAN
Start	186	End	344
GI	none	Score	.89
Exons	186..344		

Seq. No.	23886	Seq. ID	OJ991014_08.0112.C2
Gene No.	49802	Strand	+
Start	121	End	500
Name	OJ991014_08.0112.C2.o1.gs	Method	GENSCAN
Start	121	End	500
GI	none	Score	.53
Exons	121..203, 419..500		

Seq. No.	23886	Seq. ID	OJ991014_08.0112.C2
Gene No.	49803	Strand	-
Start	673	End	2503
Name	OJ991014_08.0112.C2.o1.tm	Method	TBLASTX:Maize
Start	3	End	244
GI	none	Score	271
Exons	3..203, 4..201, 8..244		

Seq. No.	23886	Seq. ID	OJ991014_08.0112.C2
Gene No.	49803	Strand	-
Start	673	End	2503
Name	OJ991014_08.0112.C2.o2.gs	Method	GENSCAN
Start	673	End	2503
GI	none	Score	.77
Exons	673..808, 1305..1404, 1533..1669, 2210..2371, 2373..2503		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49804	Strand	+
Start	1333	End	1850
Name	OJ991014_08.0112.C3.o1.gs	Method	GENSCAN
Start	1333	End	1850
GI	none	Score	.61
Exons	1333..1395, 1818..1850		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49805	Strand	+
Start	2593	End	5565
Name	OJ991014_08.0112.C3.o2.gs	Method	GENSCAN
Start	2593	End	5565
GI	none	Score	.58
Exons	2593..2949, 3013..3113, 4066..4276, 4497..4607, 4774..5565		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49805	Strand	+
Start	2593	End	5565

Name	OJ991014_08.0112.C3.o1.np	Method	AAT/NAP
Start	2740	End	5553
GI	5302810	Score	1613
Exons	2740..3113, 4066..4276, 4497..4607, 4774..5553		
GI Descrip.	(Z97342) putative beta-amylase [Arabidopsis thaliana]		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o1.ts	Method	TBLASTX:Soybean
Start	2842	End	5514
GI	none	Score	42
Exons	2842..2868, 2989..3126, 3066..3146, 4061..4282, 4063..4281, 4495..4605, 4496..4606, 4497..4613, 4771..5307, 4773..4952, 5007..5225, 5349..5504, 5350..5514		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o3.tc	Method	TBLASTX:Cress
Start	2842	End	4249
GI	none	Score	38
Exons	2842..2868, 2989..3126, 3060..3146, 4057..4239, 4057..4248, 4061..4249		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o2.tm	Method	TBLASTX:Maize
Start	2989	End	5451
GI	none	Score	154
Exons	2989..3108, 2991..3146, 4057..4281, 4063..4281, 4064..4282, 4476..4613, 4496..4606, 4771..4899, 4773..4913, 4833..4952, 4897..5307, 4897..4980, 5016..5225, 5140..5307, 5350..5439, 5359..5451		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o1.tw	Method	TBLASTX:Wheat
Start	4111	End	8171
GI	none	Score	70
Exons	4111..4269, 7853..8170, 7860..8171, 8001..8171		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o1.tc	Method	TBLASTX:Cress
Start	4505	End	5514
GI	none	Score	198
Exons	4505..4606, 4506..4613, 4771..5232, 4827..5225, 5275..5307, 5349..5507, 5350..5514		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o2.tw	Method	TBLASTX:Wheat

Start	4840	End	5187
GI	none	Score	141
Exons	4840..5022, 4912..4980, 5010..5186, 5011..5187		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o1.gp	Method	AAT/GAP
Start	6255	End	6869
GI	uC-osflcyp117a10a1	Score	832
Exons	6255..6491, 6657..6869		
GI Descrip.	'3258570 5.0e-20 (U89959) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o2.ts	Method	TBLASTX:Soybean
Start	6429	End	8165
GI	none	Score	80
Exons	6429..6494, 6433..6495, 6667..6732, 6718..6756, 6735..6887, 6736..6873, 7089..7211, 7090..7215, 7109..7216, 7120..7212, 7853..8164, 7854..8165		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o3.gs	Method	GENSCAN
Start	6432	End	13357
GI	none	Score	.6
Exons	6432..6491, 6657..6688, 6749..6872, 7089..7209, 7854..8184, 8793..9342, 10084..10138, 10364..10533, 10641..10899, 13005..13357		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o2.np	Method	AAT/NAP
Start	6435	End	9207
GI	3258570	Score	1223
Exons	6435..6491, 6657..6908, 7089..7206, 7818..8184, 8793..9207		
GI Descrip.	(U89959) Unknown protein [Arabidopsis thaliana]		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o3.tm	Method	TBLASTX:Maize
Start	6747	End	8886
GI	none	Score	67
Exons	6747..6806, 6810..6881, 7089..7211, 7123..7212, 7853..8179, 7853..8200, 7854..8186, 8794..8886, 8795..8884		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o2.tc	Method	TBLASTX:Cress
Start	7853	End	8853

GI	none	Score	315
Exons	7853..8173, 7854..8162, 7966..8178, 8794..8853		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o2.gp	Method	AAT/GAP
Start	8134	End	9261
GI	20266_1.R1084	Score	929
Exons	8134..8184, 8793..9261		
GI Descrip.	'3258570 9.0e-17 (U89959) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o3.gp	Method	AAT/GAP
Start	9800	End	10249
GI	none	Score	861
Exons	9800..10249		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o4.gp	Method	AAT/GAP
Start	10281	End	10765
GI	none	Score	664
Exons	10281..10533, 10641..10765		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o1.tm	Method	TBLASTX:Maize
Start	10306	End	13375
GI	none	Score	45
Exons	10306..10338, 10310..10363, 10350..10535, 10354..10536, 10457..10537, 10639..10818, 10641..10901, 10722..10895, 10722..10853, 10723..10818, 10725..10898, 10725..10886, 10734..10895, 10741..10818, 10855..10902, 12986..13138, 12998..13138, 12998..13156, 12998..13156, 12998..13153, 12999..13268, 12999..13307, 13000..13221, 13035..13268, 13068..13265, 13211..13372, 13211..13309, 13217..13372, 13223..13375, 13223..13354, 13235..13372		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o3.np	Method	AAT/NAP
Start	10366	End	13478
GI	3668087	Score	1035
Exons	10366..10533, 10641..10899, 13005..13478		
GI Descrip.	(AC004667) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o3.ts	Method	TBLASTX:Soybean

Start	10381	End	13372
GI	none	Score	72
Exons	10381..10551, 10639..10818, 10640..10897, 10641..10928, 10641..10901, 10717..10902, 10725..10898, 10741..10815, 10817..10897, 12992..13078, 12998..13153, 12998..13138, 12998..13078, 12999..13217, 13034..13156, 13068..13265, 13122..13271, 13214..13354, 13223..13348, 13235..13372		

Seq. No.	23887	Seq. ID	OJ991014_08.0112.C3
Gene No.	49806	Strand	-
Start	6432	End	13478
Name	OJ991014_08.0112.C3.o4.tc	Method	TBLASTX:Cress
Start	10711	End	13372
GI	none	Score	100
Exons	10711..10815, 10713..10901, 10725..10850, 10858..10902, 12998..13138, 12999..13139, 13034..13156, 13035..13208, 13107..13271, 13226..13348, 13244..13372		

Seq. No.	23888	Seq. ID	OJ991014_08.0112.C4
Gene No.	49807	Strand	+
Start	888	End	1481
Name	OJ991014_08.0112.C4.o1.gs	Method	GENSCAN
Start	888	End	1481
GI	none	Score	.9
Exons	888..896, 1248..1365, 1459..1481		

Seq. No.	23888	Seq. ID	OJ991014_08.0112.C4
Gene No.	49808	Strand	-
Start	2320	End	2863
Name	OJ991014_08.0112.C4.o2.gs	Method	GENSCAN
Start	2320	End	2588
GI	none	Score	.6
Exons	2320..2417, 2573..2588		

Seq. No.	23888	Seq. ID	OJ991014_08.0112.C4
Gene No.	49808	Strand	-
Start	2320	End	2863
Name	OJ991014_08.0112.C4.o1.gp	Method	AAT/GAP
Start	2359	End	2718
GI	3724_1.R1084	Score	680
Exons	2359..2718		
GI Descrip.	'4325282/gb|AAD17313| 6.0e-49 (AF123310) NAC domain protein NAM [Arabidopsis thaliana] >gi_4325286_gb_AAD17314_ (AF123311) NAC domain protein NAM [Arabidopsis thaliana]'		

Seq. No.	23888	Seq. ID	OJ991014_08.0112.C4
Gene No.	49808	Strand	-
Start	2320	End	2863
Name	OJ991014_08.0112.C4.o1.tm	Method	TBLASTX:Maize
Start	2573	End	2756
GI	none	Score	203
Exons	2573..2746, 2574..2720, 2575..2733, 2577..2756		

Seq. No.	23888	Seq. ID	OJ991014_08.0112.C4
Gene No.	49808	Strand	-
Start	2320	End	2863
Name	OJ991014_08.0112.C4.o1.np	Method	AAT/NAP

Start	2591	End	2863
GI	6016427	Score	172
Exons	2591..2863		
GI Descrip.	CASEIN KINASE II BETA-3 CHAIN (CK II) gi|3493611 (AF068318) regulatory subunit of protein kinase CK2; CK2 beta-subunit [Arabidopsis thaliana]		

Seq. No.	23888	Seq. ID	OJ991014_08.0112.C4
Gene No.	49808	Strand	-
Start	2320	End	2863
Name	OJ991014_08.0112.C4.o1.tc	Method	TBLASTX:Cress
Start	2594	End	2719
GI	none	Score	124
Exons	2594..2719, 2601..2717		

Seq. No.	23888	Seq. ID	OJ991014_08.0112.C4
Gene No.	49808	Strand	-
Start	2320	End	2863
Name	OJ991014_08.0112.C4.o1.ts	Method	TBLASTX:Soybean
Start	2594	End	2720
GI	none	Score	134
Exons	2594..2719, 2595..2720		

Seq. No.	23889	Seq. ID	OJ991014_08.0112.C5
Gene No.	49809	Strand	+
Start	1	End	488
Name	OJ991014_08.0112.C5.o1.np	Method	AAT/NAP
Start	1	End	488
GI	5852084	Score	76
Exons	1..31, 402..488		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	23889	Seq. ID	OJ991014_08.0112.C5
Gene No.	49810	Strand	+
Start	1929	End	2643
Name	OJ991014_08.0112.C5.o1.gs	Method	GENSCAN
Start	1929	End	2643
GI	none	Score	.73
Exons	1929..2000, 2485..2643		

Seq. No.	23889	Seq. ID	OJ991014_08.0112.C5
Gene No.	49811	Strand	+
Start	3706	End	5403
Name	OJ991014_08.0112.C5.o1.tm	Method	TBLASTX:Maize
Start	3646	End	4005
GI	none	Score	39
Exons	3646..3732, 3715..3774, 3843..3929, 3844..4005		

Seq. No.	23889	Seq. ID	OJ991014_08.0112.C5
Gene No.	49811	Strand	+
Start	3706	End	5403
Name	OJ991014_08.0112.C5.o2.gs	Method	GENSCAN
Start	3706	End	5403
GI	none	Score	.88
Exons	3706..4055, 4676..4828, 5115..5403		

Seq. No.	23889	Seq. ID	OJ991014_08.0112.C5

Gene No.	49811	Strand	+
Start	3706	End	5403
Name	OJ991014_08.0112.C5.o2.np	Method	AAT/NAP
Start	3706	End	5379
GI	3341694	Score	521
Exons	3706..4059, 5119..5379		
GI Descrip.	(AC003672) putative PREG1-like negative regulator [Arabidopsis thaliana]		

Seq. No.	23889	Seq. ID	OJ991014_08.0112.C5
Gene No.	49811	Strand	+
Start	3706	End	5403
Name	OJ991014_08.0112.C5.o1.ts	Method	TBLASTX:Soybean
Start	3733	End	4053
GI	none	Score	44
Exons	3733..3774, 3844..4053		

Seq. No.	23889	Seq. ID	OJ991014_08.0112.C5
Gene No.	49811	Strand	+
Start	3706	End	5403
Name	OJ991014_08.0112.C5.o1.tc	Method	TBLASTX:Cress
Start	3844	End	5268
GI	none	Score	211
Exons	3844..4059, 5119..5268		

Seq. No.	23889	Seq. ID	OJ991014_08.0112.C5
Gene No.	49811	Strand	+
Start	3706	End	5403
Name	OJ991014_08.0112.C5.o2.tm	Method	TBLASTX:Maize
Start	4005	End	5342
GI	none	Score	64
Exons	4005..4058, 4006..4056, 5091..5228, 5116..5292, 5116..5289, 5163..5342		

Seq. No.	23890	Seq. ID	OJ991014_08.0112.C6
Gene No.	49812	Strand	+
Start	2285	End	3651
Name	OJ991014_08.0112.C6.o1.np	Method	AAT/NAP
Start	2285	End	3651
GI	4538929	Score	197
Exons	2285..2318, 3355..3651		
GI Descrip.	(AL049483) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	23890	Seq. ID	OJ991014_08.0112.C6
Gene No.	49812	Strand	+
Start	2285	End	3651
Name	OJ991014_08.0112.C6.o1.gp	Method	AAT/GAP
Start	3281	End	3565
GI	uC-osflcyp139h11b1	Score	546
Exons	3281..3565		
GI Descrip.	'4538929/emb|CAB39665.1| 7.0e-27 (AL049483) putative nucleic acid binding protein [Arabidopsis thaliana]'		

Seq. No.	23890	Seq. ID	OJ991014_08.0112.C6
Gene No.	49812	Strand	+
Start	2285	End	3651

Name	OJ991014_08.0112.C6.o1.tm	Method	TBLASTX:Maize
Start	3479	End	3650
GI	none	Score	287
Exons	3479..3496, 3480..3650, 3504..3533, 3560..3649		

Seq. No.	23890	Seq. ID	OJ991014_08.0112.C6
Gene No.	49812	Strand	+
Start	2285	End	3651
Name	OJ991014_08.0112.C6.o1.ts	Method	TBLASTX:Soybean
Start	3480	End	3650
GI	none	Score	239
Exons	3480..3650, 3563..3649		

Seq. No.	23891	Seq. ID	OJ991014_08.0112.C7
Gene No.	49813	Strand	+
Start	391	End	2407
Name	OJ991014_08.0112.C7.o1.gs	Method	GENSCAN
Start	391	End	2407
GI	none	Score	.98
Exons	391..646, 1194..1348, 1426..1698, 1931..2125, 2216..2407		

Seq. No.	23891	Seq. ID	OJ991014_08.0112.C7
Gene No.	49813	Strand	+
Start	391	End	2407
Name	OJ991014_08.0112.C7.o1.np	Method	AAT/NAP
Start	391	End	2401
GI	4538929	Score	544
Exons	391..642, 1196..1351, 1426..1669, 1908..2401		
GI Descrip.	(AL049483) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	23891	Seq. ID	OJ991014_08.0112.C7
Gene No.	49813	Strand	+
Start	391	End	2407
Name	OJ991014_08.0112.C7.o1.gp	Method	AAT/GAP
Start	570	End	1649
GI	700729	Score	851
Exons	570..646, 1194..1348, 1426..1649		
GI Descrip.	4538929/emb|CAB39665.1| 7.0e-27 (AL049483) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	23891	Seq. ID	OJ991014_08.0112.C7
Gene No.	49814	Strand	-
Start	2343	End	2716
Name	OJ991014_08.0112.C7.o2.gp	Method	AAT/GAP
Start	2343	End	2716
GI	none	Score	696
Exons	2343..2716		

Seq. No.	23891	Seq. ID	OJ991014_08.0112.C7
Gene No.	49815	Strand	-
Start	3720	End	4650
Name	OJ991014_08.0112.C7.o1.tm	Method	TBLASTX:Maize
Start	375	End	2408
GI	none	Score	387
Exons	375..641, 391..645, 391..645, 402..650, 527..649, 1171..1347, 1184..1357, 1190..1357, 1412..1645, 1414..1665, 1426..1677,		

1427..1672, 1925..2125, 1951..2127, 2207..2263, 2207..2257, 2215..2262, 2257..2349, 2259..2351, 2259..2351, 2349..2408, 2365..2406

Seq. No.	23891	Seq. ID	OJ991014_08.0112.C7
Gene No.	49815	Strand	-
Start	3720	End	4650
Name	OJ991014_08.0112.C7.o1.ts	Method	TBLASTX:Soybean
Start	391	End	2125
GI	none	Score	88
Exons	391..513, 538..654, 546..635, 1208..1342, 1925..2125, 1951..2109		

Seq. No.	23891	Seq. ID	OJ991014_08.0112.C7
Gene No.	49815	Strand	-
Start	3720	End	4650
Name	OJ991014_08.0112.C7.o2.gs	Method	GENSCAN
Start	3720	End	4650
GI	none	Score	.54
Exons	3720..3760, 4125..4211, 4347..4650		

Seq. No.	23892	Seq. ID	OJ991014_08.0112.C8
Gene No.	49816	Strand	+
Start	642	End	3868
Name	OJ991014_08.0112.C8.o2.np	Method	AAT/NAP
Start	642	End	3868
GI	5852093	Score	101
Exons	642..698, 2022..2143, 3767..3868		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	23892	Seq. ID	OJ991014_08.0112.C8
Gene No.	49817	Strand	-
Start	1	End	700
Name	OJ991014_08.0112.C8.o1.np	Method	AAT/NAP
Start	1	End	700
GI	4929719	Score	166
Exons	1..18, 106..202, 595..700		
GI Descrip.	(AF151883) CGI-125 protein [Homo sapiens]		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49818	Strand	+
Start	54	End	1064
Name	OJ991014_08.0112.C9.o1.gs	Method	GENSCAN
Start	54	End	1064
GI	none	Score	1
Exons	54..1064		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49818	Strand	+
Start	54	End	1064
Name	OJ991014_08.0112.C9.o1.gp	Method	AAT/GAP
Start	143	End	562
GI	56734_1.R1084	Score	789
Exons	143..562		
GI Descrip.	'3341693 3.0e-18 (AC003672) unknown protein [Arabidopsis thaliana]'		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9

Gene No.	49819	Strand	+
Start	16103	End	16416
Name	OJ991014_08.0112.C9.o5.gp	Method	AAT/GAP
Start	16103	End	16416
GI	86158_1.R1084	Score	387
Exons	16103..16230, 16255..16416		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49820	Strand	+
Start	16801	End	17255
Name	OJ991014_08.0112.C9.o6.gp	Method	AAT/GAP
Start	16801	End	17255
GI	36280_1.R1084	Score	866
Exons	16801..17255		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49821	Strand	+
Start	18949	End	19384
Name	OJ991014_08.0112.C9.o8.gp	Method	AAT/GAP
Start	18949	End	19384
GI	uC-osf1M2020118f01a1	Score	809
Exons	18949..19384		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49822	Strand	+
Start	21157	End	24026
Name	OJ991014_08.0112.C9.o2.np	Method	AAT/NAP
Start	21157	End	23850
GI	4938494	Score	293
Exons	21157..21327, 22038..22097, 22212..22320, 22401..22453, 22674..22754, 22854..22966, 23796..23850		
GI Descrip.	(AL078465) putative calcineurin B-like protein [Arabidopsis thaliana]		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49822	Strand	+
Start	21157	End	24026
Name	OJ991014_08.0112.C9.o9.gp	Method	AAT/GAP
Start	21440	End	21756
GI	86158_1.R1084	Score	392
Exons	21440..21567, 21592..21756		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49822	Strand	+
Start	21157	End	24026

Name	OJ991014_08.0112.C9.o10.gp	Method	AAT/GAP
Start	22212	End	22458
GI	uC-osflcyp065b08b1	Score	295
Exons	22212..22320, 22401..22458		
GI Descrip.	'3309082/gb|AAC26008.1| 4.0e-47 (AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]'		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49822	Strand	+
Start	21157	End	24026
Name	OJ991014_08.0112.C9.o11.gp	Method	AAT/GAP
Start	22212	End	22458
GI	uC-osflcyp065b08b1	Score	260
Exons	22212..22320, 22401..22458		
GI Descrip.	'3309082/gb|AAC26008.1| 4.0e-47 (AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]'		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49822	Strand	+
Start	21157	End	24026
Name	OJ991014_08.0112.C9.o12.gp	Method	AAT/GAP
Start	22380	End	22894
GI	uC-osflcyp065b08b1	Score	272
Exons	22380..22453, 22674..22754, 22854..22894		
GI Descrip.	'3309082/gb|AAC26008.1| 4.0e-47 (AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]'		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49822	Strand	+
Start	21157	End	24026
Name	OJ991014_08.0112.C9.o13.gp	Method	AAT/GAP
Start	22863	End	24026
GI	77081_1.R1084	Score	591
Exons	22863..22966, 23796..24026		
GI Descrip.	'3309082/gb|AAC26008.1| 2.0e-17 (AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]'		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49823	Strand	+
Start	24719	End	27906
Name	OJ991014_08.0112.C9.o14.gp	Method	AAT/GAP
Start	24569	End	24926
GI	none	Score	547
Exons	24569..24926		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49823	Strand	+
Start	24719	End	27906
Name	OJ991014_08.0112.C9.o3.np	Method	AAT/NAP
Start	24687	End	27906
GI	6016428	Score	399
Exons	24687..24929, 27664..27906		
GI Descrip.	PUTATIVE CASEIN KINASE II BETA-4 CHAIN (CK II) gi|3341688|gb|AAC27470.1| (AC003672) putative casein kinase II beta subunit [Arabidopsis thaliana]		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9

Gene No.	49823	Strand	+
Start	24719	End	27906
Name	OJ991014_08.0112.C9.o6.gs	Method	GENSCAN
Start	24719	End	27880
GI	none	Score	.65
Exons	24719..24929, 25362..25428, 26372..26499, 27659..27880		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49824	Strand	-
Start	1006	End	1356
Name	OJ991014_08.0112.C9.o2.gp	Method	AAT/GAP
Start	1006	End	1356
GI	none	Score	698
Exons	1006..1356		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49825	Strand	-
Start	4494	End	4960
Name	OJ991014_08.0112.C9.o3.gp	Method	AAT/GAP
Start	4268	End	4960
GI	7818_1.R1084	Score	1331
Exons	4268..4960		
GI Descrip.	'3123264/sp|P51419|RL27_ARATH 7.0e-59 60S RIBOSOMAL PROTEIN L27 >gi_2244857_emb_CAB10279.1_ (Z97337) ribosomal protein [Arabidopsis thaliana]'		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49825	Strand	-
Start	4494	End	4960
Name	OJ991014_08.0112.C9.o2.gs	Method	GENSCAN
Start	4494	End	4904
GI	none	Score	.98
Exons	4494..4904		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49826	Strand	-
Start	5600	End	9015
Name	OJ991014_08.0112.C9.o3.gs	Method	GENSCAN
Start	5600	End	9015
GI	none	Score	.82
Exons	5600..5869, 6183..6428, 6828..7104, 7392..7669, 8602..9015		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49827	Strand	-
Start	10647	End	15050
Name	OJ991014_08.0112.C9.o4.gp	Method	AAT/GAP
Start	10467	End	13099
GI	200_1.R1084	Score	2156
Exons	10467..10907, 11173..11271, 11376..11480, 11782..11874, 12005..12097, 12190..12243, 12332..12433, 12700..12774, 12977..13099		
GI Descrip.	'1669573/dbj|BAA13608| 1.0e-176 (D88399) endosperm kinase [Oryza sativa]'		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49827	Strand	-
Start	10647	End	15050

Name	OJ991014_08.0112.C9.o4.gs	Method	GENSCAN
Start	10647	End	15050
GI	none	Score	.94
Exons	10647..10907, 11173..11271, 11376..11480, 12005..12097, 12700..12774, 12977..13106, 13272..13401, 14250..14409, 15048..15050		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49828	Strand	-
Start	16427	End	21229
Name	OJ991014_08.0112.C9.o1.np	Method	AAT/NAP
Start	16427	End	21229
GI	5295971	Score	8144
Exons	16427..21229		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49828	Strand	-
Start	16427	End	21229
Name	OJ991014_08.0112.C9.o7.gp	Method	AAT/GAP
Start	18585	End	18940
GI	uC-osflcyp139c12a1	Score	589
Exons	18585..18940		
GI Descrip.	'5295971/dbj|BAA81872.1| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o6.tm	Method	TBLASTX:Maize
Start	170	End	542
GI	none	Score	130
Exons	170..484, 179..283, 207..542		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o10.ts	Method	TBLASTX:Soybean
Start	182	End	968
GI	none	Score	149
Exons	182..325, 207..332, 362..448, 365..424, 825..968		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o9.tc	Method	TBLASTX:Cress
Start	188	End	436
GI	none	Score	162
Exons	188..319, 207..326, 357..395, 359..436		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906

Name	OJ991014_08.0112.C9.o15.tm	Method	TBLASTX:Maize
Start	825	End	980
GI	none	Score	229
Exons	825..980, 923..976		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o2.tc	Method	TBLASTX:Cress
Start	2084	End	8997
GI	none	Score	53
Exons	2084..2149, 2090..2152, 2172..2225, 2173..2238, 5628..5867, 5642..5875, 6162..6431, 6184..6384, 6795..7106, 6795..7106, 6823..7107, 7383..7670, 7387..7671, 7388..7672, 7391..7678, 8671..8997, 8672..8794, 8674..8868		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o4.ts	Method	TBLASTX:Soybean
Start	2090	End	8844
GI	none	Score	59
Exons	2090..2152, 2091..2150, 2172..2225, 2173..2226, 5633..5875, 5674..5853, 5688..5867, 6162..6431, 6184..6384, 6792..7106, 6819..7106, 6823..7107, 7380..7670, 7387..7659, 7388..7672, 7391..7678, 8671..8844, 8672..8794, 8674..8799		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o7.tm	Method	TBLASTX:Maize
Start	2090	End	7107
GI	none	Score	215
Exons	2090..2152, 2172..2225, 6363..6431, 6795..7106, 6816..7106, 6823..7107		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o1.ts	Method	TBLASTX:Soybean
Start	4489	End	4905
GI	none	Score	127
Exons	4489..4644, 4491..4622, 4626..4904, 4627..4905		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o1.tc	Method	TBLASTX:Cress
Start	4494	End	4910
GI	none	Score	120
Exons	4494..4610, 4495..4644, 4620..4910, 4621..4905		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o3.tm	Method	TBLASTX:Maize
Start	4494	End	4905

GI	none	Score	101
Exons	4494..4622, 4496..4558, 4498..4617, 4600..4905, 4614..4904		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o1.tw	Method	TBLASTX:Wheat
Start	4656	End	4905
GI	none	Score	351
Exons	4656..4904, 4657..4905		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o10.tm	Method	TBLASTX:Maize
Start	5633	End	9069
GI	none	Score	100
Exons	5633..5875, 5672..5854, 5688..5867, 5914..5955, 6162..6362, 6187..6363, 7383..7706, 7391..7678, 8654..8794, 8671..9069, 8674..8868, 8864..8977		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o6.tw	Method	TBLASTX:Wheat
Start	5753	End	6428
GI	none	Score	78
Exons	5753..5851, 5754..5834, 5914..5964, 6156..6428, 6184..6366		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o9.tm	Method	TBLASTX:Maize
Start	10662	End	13117
GI	none	Score	59
Exons	10662..10727, 10743..10910, 10744..10908, 11172..11270, 11173..11271, 11173..11280, 11174..11272, 11371..11484, 11376..11483, 11765..11875, 11776..11877, 11786..11875, 12005..12112, 12006..12098, 12190..12243, 12194..12241, 12332..12439, 12333..12434, 12689..12775, 12697..12777, 12698..12775, 12700..12777, 12974..13099, 12974..13117, 12978..13100		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o4.tc	Method	TBLASTX:Cress
Start	10746	End	13093
GI	none	Score	65
Exons	10746..10907, 10855..10908, 11146..11280, 11180..11281, 11379..11483, 11380..11481, 11780..11860, 11782..11877, 11783..11881, 11784..11885, 12005..12112, 12009..12095, 12190..12243, 12197..12235, 12323..12439, 12333..12434, 12684..12776, 12689..12775, 12694..12777, 12695..12811, 12697..12777, 12974..13093		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9

Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o5.ts	Method	TBLASTX:Soybean
Start	10821	End	13115
GI	none	Score	63
Exons	10821..10913, 11120..11260, 11146..11280, 11379..11483, 11380..11478, 11782..11877, 11783..11875, 11783..11881, 11784..11885, 12005..12112, 12009..12113, 12190..12243, 12197..12244, 12323..12439, 12333..12434, 12697..12777, 12698..12775, 12974..13087, 12974..13093, 12978..13115		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o4.tw	Method	TBLASTX:Wheat
Start	11439	End	12436
GI	none	Score	66
Exons	11439..11483, 11440..11484, 11776..11877, 11786..11875, 12005..12112, 12009..12083, 12190..12243, 12194..12244, 12323..12436, 12333..12434		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o14.tm	Method	TBLASTX:Maize
Start	14717	End	23904
GI	none	Score	86
Exons	14717..14785, 14721..14789, 14932..15015, 14939..15025, 14951..15013, 22025..22120, 22035..22097, 22036..22101, 22204..22320, 22209..22361, 22211..22327, 22401..22454, 22402..22458, 22403..22456, 22671..22763, 22671..22754, 22672..22779, 22851..22967, 22852..22965, 22853..22966, 23781..23891, 23790..23885, 23794..23904		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o8.ts	Method	TBLASTX:Soybean
Start	14932	End	22760
GI	none	Score	86
Exons	14932..15015, 14951..15013, 21944..22096, 22035..22097, 22209..22316, 22211..22360, 22403..22456, 22671..22760		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o6.ts	Method	TBLASTX:Soybean
Start	16451	End	17101
GI	none	Score	51
Exons	16451..16684, 16584..16670, 16739..16927, 16767..16928, 16940..17101		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o3.tc	Method	TBLASTX:Cress
Start	16460	End	17122

GI	none	Score	101
Exons	16460..16678, 16464..16670, 16745..16825, 16749..16826, 16835..17122, 16836..16928, 16950..17060		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o5.tm	Method	TBLASTX:Maize
Start	16461	End	16850
GI	none	Score	255
Exons	16461..16685, 16461..16847, 16463..16768, 16463..16849, 16585..16818, 16743..16850		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o7.tw	Method	TBLASTX:Wheat
Start	16490	End	16909
GI	none	Score	65
Exons	16490..16693, 16503..16670, 16739..16909, 16749..16826		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o16.tm	Method	TBLASTX:Maize
Start	16856	End	17035
GI	none	Score	120
Exons	16856..17035, 16857..17033		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o8.tw	Method	TBLASTX:Wheat
Start	16943	End	17254
GI	none	Score	64
Exons	16943..17122, 17147..17254		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o4.tm	Method	TBLASTX:Maize
Start	17037	End	17428
GI	none	Score	459
Exons	17037..17426, 17039..17428, 17039..17428		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o2.tw	Method	TBLASTX:Wheat
Start	17255	End	17810
GI	none	Score	66
Exons	17255..17479, 17465..17809, 17469..17654, 17489..17656, 17721..17810		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906

Name	OJ991014_08.0112.C9.o3.ts	Method	TBLASTX:Soybean
Start	17480	End	17977
GI	5509260	Score	130
Exons	17480..17977, 17499..17657, 17721..17897		
GI Descrip.	-		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o8.tc	Method	TBLASTX:Cress
Start	17591	End	17855
GI	none	Score	91
Exons	17591..17854, 17724..17855		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o8.tm	Method	TBLASTX:Maize
Start	17630	End	17926
GI	none	Score	181
Exons	17630..17926, 17631..17900		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o2.ts	Method	TBLASTX:Soybean
Start	18428	End	18907
GI	none	Score	161
Exons	18428..18574, 18599..18907, 18612..18902		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o6.tc	Method	TBLASTX:Cress
Start	18452	End	18892
GI	none	Score	60
Exons	18452..18574, 18596..18892, 18606..18752, 18810..18842		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o2.tm	Method	TBLASTX:Maize
Start	18512	End	18938
GI	none	Score	569
Exons	18512..18934, 18513..18938		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o5.tw	Method	TBLASTX:Wheat
Start	18590	End	19141
GI	none	Score	42
Exons	18590..18670, 18603..18674, 18677..18943, 18777..18926, 19001..19141		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-

Start	27677	End	27906
Name	OJ991014_08.0112.C9.o9.ts	Method	TBLASTX:Soybean
Start	19001	End	19276
GI	none	Score	194
Exons	19001..19276, 19100..19180		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o3.tw	Method	TBLASTX:Wheat
Start	19214	End	19667
GI	none	Score	53
Exons	19214..19306, 19214..19294, 19274..19663, 19301..19666, 19362..19667		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o13.tm	Method	TBLASTX:Maize
Start	19337	End	19577
GI	none	Score	262
Exons	19337..19576, 19338..19577		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o1.tm	Method	TBLASTX:Maize
Start	19592	End	20311
GI	none	Score	417
Exons	19592..20017, 19592..19771, 19693..20016, 20022..20054, 20036..20311, 20037..20294		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o11.tm	Method	TBLASTX:Maize
Start	20545	End	20837
GI	none	Score	215
Exons	20545..20607, 20546..20767, 20546..20836, 20622..20837		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o7.tc	Method	TBLASTX:Cress
Start	22025	End	23859
GI	none	Score	93
Exons	22025..22123, 22035..22097, 22209..22319, 22211..22324, 22403..22456, 22671..22760, 22851..22967, 22853..22966, 23790..23858, 23794..23859		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o7.ts	Method	TBLASTX:Soybean
Start	24706	End	27888
GI	none	Score	100
Exons	24706..24753, 24755..24835, 24769..24831, 27662..27853,		

27664..27738, 27665..27883, 27666..27884, 27720..27887, 27724..27888

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o12.tm	Method	TBLASTX:Maize
Start	24718	End	27885
GI	none	Score	76
Exons	24718..24765, 24734..24811, 24747..24809, 24760..24831, 24761..24838, 24879..24905, 24937..25014, 27661..27885, 27664..27831, 27665..27883		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o5.tc	Method	TBLASTX:Cress
Start	27676	End	27888
GI	none	Score	113
Exons	27676..27747, 27677..27886, 27677..27886, 27724..27888		

Seq. No.	23893	Seq. ID	OJ991014_08.0112.C9
Gene No.	49829	Strand	-
Start	27677	End	27906
Name	OJ991014_08.0112.C9.o15.gp	Method	AAT/GAP
Start	27677	End	27906
GI	3724_1.R1084	Score	357
Exons	27677..27906		
GI Descrip.	'4325282/gb|AAD17313| 6.0e-49 (AF123310) NAC domain protein NAM [Arabidopsis thaliana] >gi_4325286_gb_AAD17314_ (AF123311) NAC domain protein NAM [Arabidopsis thaliana]'		

Seq. No.	23894	Seq. ID	OJ991014_08.0112.C11
Gene No.	49830	Strand	+
Start	302	End	3577
Name	OJ991014_08.0112.C11.o1.gs	Method	GENSCAN
Start	302	End	3577
GI	none	Score	.53
Exons	302..481, 516..817, 859..962, 2321..2481, 2964..3014, 3485..3577		

Seq. No.	23894	Seq. ID	OJ991014_08.0112.C11
Gene No.	49830	Strand	+
Start	302	End	3577
Name	OJ991014_08.0112.C11.o1.gp	Method	AAT/GAP
Start	721	End	2454
GI	LIB3433-046-P1-K1-G6	Score	385
Exons	721..817, 939..1023, 2174..2225, 2321..2341, 2428..2454		
GI Descrip.	'3063637 9.0e-11 (AF056204) thioesterase homolog [Gossypium hirsutum]'		

Seq. No.	23894	Seq. ID	OJ991014_08.0112.C11
Gene No.	49830	Strand	+
Start	302	End	3577
Name	OJ991014_08.0112.C11.o1.np	Method	AAT/NAP
Start	965	End	3238
GI	3063637	Score	226
Exons	965..1023, 2174..2225, 2428..2481, 2964..3014, 3209..3238		

GI Descrip. (AF056204) thioesterase homolog [Gossypium hirsutum]

Seq. No.	23895	Seq. ID	OJ991014_08.0112.C12
Gene No.	49831	Strand	+
Start	1	End	4261
Name	OJ991014_08.0112.C12.o2.np	Method	AAT/NAP
Start	1	End	3087
GI	6523547	Score	93
Exons	1..22, 2074..2484, 2915..3087		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	23895	Seq. ID	OJ991014_08.0112.C12
Gene No.	49831	Strand	+
Start	1	End	4261
Name	OJ991014_08.0112.C12.o1.gp	Method	AAT/GAP
Start	552	End	1450
GI	LIB3434-048-P1-K1-H7	Score	478
Exons	552..674, 1194..1286, 1393..1450		
GI Descrip.	'2245107/emb|CAB10529.1| 3.0e-36 (Z97343) thioesterase like protein [Arabidopsis thaliana]'		

Seq. No.	23895	Seq. ID	OJ991014_08.0112.C12
Gene No.	49831	Strand	+
Start	1	End	4261
Name	OJ991014_08.0112.C12.o1.np	Method	AAT/NAP
Start	552	End	4261
GI	2245107	Score	276
Exons	552..674, 1194..1286, 1393..1558, 4188..4261		
GI Descrip.	(Z97343) thioesterase like protein [Arabidopsis thaliana]		

Seq. No.	23895	Seq. ID	OJ991014_08.0112.C12
Gene No.	49831	Strand	+
Start	1	End	4261
Name	OJ991014_08.0112.C12.o1.gs	Method	GENSCAN
Start	552	End	1578
GI	none	Score	.96
Exons	552..674, 1194..1286, 1393..1578		

Seq. No.	23895	Seq. ID	OJ991014_08.0112.C12
Gene No.	49831	Strand	+
Start	1	End	4261
Name	OJ991014_08.0112.C12.o2.gp	Method	AAT/GAP
Start	1587	End	1952
GI	4969077	Score	692
Exons	1587..1952		

Seq. No.	23895	Seq. ID	OJ991014_08.0112.C12
Gene No.	49831	Strand	+
Start	1	End	4261
Name	OJ991014_08.0112.C12.o2.gs	Method	GENSCAN
Start	2400	End	3900
GI	none	Score	.66
Exons	2400..2571, 2990..3117, 3451..3900		

Seq. No.	23895	Seq. ID	OJ991014_08.0112.C12
Gene No.	49832	Strand	+

Start	4316	End	6285
Name	OJ991014_08.0112.C12.o1.tc	Method	TBLASTX:Cress
Start	552	End	1527
GI	none	Score	85
Exons	552..611, 618..674, 1178..1342, 1194..1304, 1392..1526, 1393..1527		

Seq. No.	23895	Seq. ID	OJ991014_08.0112.C12
Gene No.	49832	Strand	+
Start	4316	End	6285
Name	OJ991014_08.0112.C12.o2.tm	Method	TBLASTX:Maize
Start	552	End	1531
GI	none	Score	172
Exons	552..674, 552..674, 1187..1306, 1194..1304, 1389..1520, 1393..1527, 1454..1531		

Seq. No.	23895	Seq. ID	OJ991014_08.0112.C12
Gene No.	49832	Strand	+
Start	4316	End	6285
Name	OJ991014_08.0112.C12.o3.gs	Method	GENSCAN
Start	4316	End	5650
GI	none	Score	.99
Exons	4316..5650		

Seq. No.	23895	Seq. ID	OJ991014_08.0112.C12
Gene No.	49832	Strand	+
Start	4316	End	6285
Name	OJ991014_08.0112.C12.o2.tw	Method	TBLASTX:Wheat
Start	4484	End	4858
GI	none	Score	234
Exons	4484..4858, 4526..4600, 4558..4749		

Seq. No.	23895	Seq. ID	OJ991014_08.0112.C12
Gene No.	49832	Strand	+
Start	4316	End	6285
Name	OJ991014_08.0112.C12.o1.tm	Method	TBLASTX:Maize
Start	4649	End	5077
GI	none	Score	362
Exons	4649..4975, 4657..4974, 4979..5077, 4993..5076		

Seq. No.	23895	Seq. ID	OJ991014_08.0112.C12
Gene No.	49832	Strand	+
Start	4316	End	6285
Name	OJ991014_08.0112.C12.o3.np	Method	AAT/NAP
Start	4694	End	6285
GI	2213632	Score	797
Exons	4694..5458, 6251..6285		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	23895	Seq. ID	OJ991014_08.0112.C12
Gene No.	49832	Strand	+
Start	4316	End	6285
Name	OJ991014_08.0112.C12.o1.tw	Method	TBLASTX:Wheat
Start	4993	End	5404
GI	none	Score	204
Exons	4993..5157, 4994..5167, 5000..5167, 5020..5169, 5152..5349, 5159..5404, 5267..5392		

Seq. No.	23895	Seq. ID	OJ991014_08.0112.C12
Gene No.	49832	Strand	+
Start	4316	End	6285
Name	OJ991014_08.0112.C12.o3.tm	Method	TBLASTX:Maize
Start	5078	End	5416
GI	none	Score	231
Exons	5078..5311, 5170..5310, 5351..5416, 5351..5413		

Seq. No.	23896	Seq. ID	OJ991014_08.0112.C13
Gene No.	49833	Strand	+
Start	5	End	518
Name	OJ991014_08.0112.C13.o1.gs	Method	GENSCAN
Start	5	End	518
GI	none	Score	.76
Exons	5..79, 120..518		

Seq. No.	23897	Seq. ID	OJ991014_08.0112.C14
Gene No.	49834	Strand	+
Start	1	End	294
Name	OJ991014_08.0112.C14.o1.np	Method	AAT/NAP
Start	1	End	294
GI	729880	Score	95
Exons	1..47, 111..294		
GI Descrip.	CASEIN KINASE II BETA CHAIN (CK II) gi|1076299|pir||S47967 casein kinase II (EC 2.7.1.-) beta chain CKB1 - Arabidopsis thaliana gi|468264 (L22563) casein kinase II beta subunit CKB1 [Arabidopsis thaliana]		

Seq. No.	23898	Seq. ID	OJ991014_08.0112.C15
Gene No.	49835	Strand	+
Start	206	End	605
Name	OJ991014_08.0112.C15.o1.gs	Method	GENSCAN
Start	206	End	605
GI	none	Score	.44
Exons	206..288, 497..605		

Seq. No.	23898	Seq. ID	OJ991014_08.0112.C15
Gene No.	49836	Strand	-
Start	1	End	1131
Name	OJ991014_08.0112.C15.o1.np	Method	AAT/NAP
Start	1	End	1131
GI	2245072	Score	186
Exons	1..66, 915..1131		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23899	Seq. ID	OJ991014_08.0112.C16
Gene No.	49837	Strand	+
Start	1	End	609
Name	OJ991014_08.0112.C16.o1.np	Method	AAT/NAP
Start	1	End	609
GI	2344894	Score	242
Exons	1..324, 512..609		
GI Descrip.	(AC002388) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23899	Seq. ID	OJ991014_08.0112.C16
Gene No.	49837	Strand	+

Start	1	End	609
Name	OJ991014_08.0112.C16.o1.tm	Method	TBLASTX:Maize
Start	95	End	605
GI	none	Score	262
Exons	95..337, 101..322, 477..605, 508..594, 510..596		

Seq. No.	23899	Seq. ID	OJ991014_08.0112.C16
Gene No.	49837	Strand	+
Start	1	End	609
Name	OJ991014_08.0112.C16.o1.gs	Method	GENSCAN
Start	104	End	596
GI	none	Score	.91
Exons	104..324, 512..596		

Seq. No.	23900	Seq. ID	OJ991014_08.0112.C17
Gene No.	49838	Strand	-
Start	239	End	1067
Name	OJ991014_08.0112.C17.o1.gs	Method	GENSCAN
Start	239	End	1067
GI	none	Score	.98
Exons	239..322, 899..1067		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49839	Strand	+
Start	1	End	108
Name	OJ991014_08.0112.C18.o1.gp	Method	AAT/GAP
Start	1	End	108
GI	426975	Score	204
Exons	1..108		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49840	Strand	+
Start	23	End	391
Name	OJ991014_08.0112.C18.o1.gs	Method	GENSCAN
Start	23	End	391
GI	none	Score	.51
Exons	23..391		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49841	Strand	+
Start	1751	End	4276
Name	OJ991014_08.0112.C18.o2.gp	Method	AAT/GAP
Start	1751	End	4276
GI	16860_1.R1084	Score	1408
Exons	1751..1782, 1840..1966, 2056..2104, 2399..2630, 3926..4276		
GI Descrip.	'2498077/sp|P93554|NDK1_SACOF 1.0e-73 NUCLEOSIDE DIPHOSPHATE KINASE I (NDK I) (NDP KINASE I) (PP18) >gi_1777930 (U55019) nucleoside diphosphate kinase [Saccharum officinarum]'		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49841	Strand	+
Start	1751	End	4276
Name	OJ991014_08.0112.C18.o2.gs	Method	GENSCAN
Start	1910	End	4043
GI	none	Score	.97
Exons	1910..1966, 2056..2104, 2399..2630, 3926..4043		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49841	Strand	+
Start	1751	End	4276
Name	OJ991014_08.0112.C18.o1.np	Method	AAT/NAP
Start	1916	End	4040
GI	2498077	Score	607
Exons	1916..1966, 2056..2104, 2399..2630, 3926..4040		
GI Descrip.	NUCLEOSIDE DIPHOSPHATE KINASE I (NDK I) (NDP KINASE I) (PP18) gi|1777930 (U55019) nucleoside diphosphate kinase [Saccharum officinarum]		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49842	Strand	+
Start	20363	End	25243
Name	OJ991014_08.0112.C18.o6.gs	Method	GENSCAN
Start	20363	End	24982
GI	none	Score	.94
Exons	20363..20479, 23678..23800, 23894..23978, 24121..24231, 24594..24982		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49842	Strand	+
Start	20363	End	25243
Name	OJ991014_08.0112.C18.o5.gp	Method	AAT/GAP
Start	24768	End	25243
GI	none	Score	872
Exons	24768..25243		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49843	Strand	+
Start	25970	End	29069
Name	OJ991014_08.0112.C18.o4.np	Method	AAT/NAP
Start	25970	End	29069
GI	2344894	Score	1875
Exons	25970..26096, 26139..27388, 27486..27644, 27731..27811, 27913..28044, 28703..28830, 28940..29069		
GI Descrip.	(AC002388) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49843	Strand	+
Start	25970	End	29069
Name	OJ991014_08.0112.C18.o7.gs	Method	GENSCAN
Start	25970	End	29027
GI	none	Score	.93
Exons	25970..27388, 27486..27698, 27731..27811, 27913..28044, 28703..28830, 28940..29027		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49844	Strand	-
Start	5410	End	7499
Name	OJ991014_08.0112.C18.o3.gp	Method	AAT/GAP
Start	5130	End	7499
GI	10410_1.R1084	Score	2259
Exons	5130..5661, 6838..7499		
GI Descrip.	'4455256/emb|CAB36755.1| 1.0e-83 (AL035523) protein-methionine-S-oxide reductase [Arabidopsis thaliana]'		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49844	Strand	-
Start	5410	End	7499
Name	OJ991014_08.0112.C18.o3.gs	Method	GENSCAN
Start	5410	End	7203
GI	none	Score	.99
Exons	5410..5661, 6838..7203		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49844	Strand	-
Start	5410	End	7499
Name	OJ991014_08.0112.C18.o2.np	Method	AAT/NAP
Start	5413	End	7487
GI	6635341	Score	811
Exons	5413..5661, 6838..7203, 7325..7487		
GI Descrip.	(AF162204) methionine sulfoxide reductase [Lactuca sativa]		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49845	Strand	-
Start	8782	End	14391
Name	OJ991014_08.0112.C18.o4.gs	Method	GENSCAN
Start	8782	End	14391
GI	none	Score	.83
Exons	8782..8904, 9129..9458, 9585..9672, 9757..9866, 9946..10007, 10090..10569, 10951..10978, 11074..11163, 11430..11523, 11621..11684, 12002..12068, 12242..13216, 13845..13918, 14010..14391		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49845	Strand	-
Start	8782	End	14391
Name	OJ991014_08.0112.C18.o3.np	Method	AAT/NAP
Start	9176	End	12426
GI	2245054	Score	694
Exons	9176..9458, 9813..9866, 10103..10571, 10947..10978, 11074..11163, 11251..11334, 11430..11523, 11621..11684, 12002..12058, 12328..12426		
GI Descrip.	(Z97342) kinase like protein [Arabidopsis thaliana]		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49846	Strand	-
Start	15377	End	18090
Name	OJ991014_08.0112.C18.o4.tm	Method	TBLASTX:Maize
Start	1894	End	4044
GI	none	Score	86
Exons	1894..1965, 1913..1969, 2055..2102, 2056..2103, 2397..2630, 2398..2634, 2572..2631, 2585..2632, 3923..4036, 3924..4037, 3973..4044		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49846	Strand	-
Start	15377	End	18090
Name	OJ991014_08.0112.C18.o1.tw	Method	TBLASTX:Wheat
Start	1909	End	2600
GI	none	Score	80
Exons	1909..1965, 1913..1969, 1913..1966, 2055..2117, 2056..2106, 2401..2598, 2403..2600		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49846	Strand	-
Start	15377	End	18090
Name	OJ991014_08.0112.C18.o2.tc	Method	TBLASTX:Cress
Start	1916	End	4043
GI	none	Score	87
Exons	1916..1969, 1918..1962, 2055..2105, 2056..2106, 2401..2634, 2403..2630, 3919..4038, 3921..4034, 3923..4036, 3924..4043		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49846	Strand	-
Start	15377	End	18090
Name	OJ991014_08.0112.C18.o2.ts	Method	TBLASTX:Soybean
Start	1918	End	4037
GI	none	Score	85
Exons	1918..1965, 1919..1969, 2055..2105, 2056..2106, 2401..2634, 2403..2630, 3892..4035, 3923..4036, 3924..4037		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49846	Strand	-
Start	15377	End	18090
Name	OJ991014_08.0112.C18.o1.tc	Method	TBLASTX:Cress
Start	5285	End	7125
GI	none	Score	293
Exons	5285..5338, 5410..5661, 5414..5674, 6833..7123, 6835..7125		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49846	Strand	-
Start	15377	End	18090
Name	OJ991014_08.0112.C18.o1.ts	Method	TBLASTX:Soybean
Start	5379	End	7125
GI	none	Score	87
Exons	5379..5522, 5395..5676, 5414..5689, 6838..7125, 6947..7123		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49846	Strand	-
Start	15377	End	18090
Name	OJ991014_08.0112.C18.o3.tm	Method	TBLASTX:Maize
Start	6868	End	14790
GI	none	Score	333
Exons	6868..7206, 6869..7207, 14643..14750, 14743..14790		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49846	Strand	-
Start	15377	End	18090
Name	OJ991014_08.0112.C18.o5.tm	Method	TBLASTX:Maize
Start	9216	End	9635
GI	none	Score	204
Exons	9216..9437, 9220..9432, 9272..9433, 9574..9633, 9585..9635		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49846	Strand	-
Start	15377	End	18090
Name	OJ991014_08.0112.C18.o2.tw	Method	TBLASTX:Wheat
Start	11265	End	12316
GI	none	Score	56

Exons	11265..11321, 11266..11313, 11427..11552, 11427..11522, 11429..11539, 11593..11685, 11620..11697, 11622..11690, 11856..11924, 11857..11925, 11857..11925, 11858..11929, 11994..12071, 12002..12070, 12202..12312, 12242..12316

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49846	Strand	-
Start	15377	End	18090
Name	OJ991014_08.0112.C18.o4.gp	Method	AAT/GAP
Start	15123	End	16426
GI	none	Score	1440
Exons	15123..15565, 15901..15939, 16091..16426		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49846	Strand	-
Start	15377	End	18090
Name	OJ991014_08.0112.C18.o5.gs	Method	GENSCAN
Start	15377	End	18090
GI	none	Score	.65
Exons	15377..15565, 15901..15939, 16091..16319, 16912..16936, 17189..17264, 17413..17501, 17949..18090		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49847	Strand	
Start	20348	End	22493
Name	OJ991014_08.0112.C18.o5.ts	Method	TBLASTX:Soybean
Start	20348	End	22493
GI	none	Score	188
Exons	20348..20482, 20362..20493, 22385..22468, 22386..22478, 22390..22491, 22392..22493		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49848	Strand	
Start	22467	End	24961
Name	OJ991014_08.0112.C18.o2.tm	Method	TBLASTX:Maize
Start	22467	End	24874
GI	none	Score	316
Exons	22467..22787, 22469..22882, 22475..22882, 22477..22884, 22479..22883, 22480..22884, 22827..22892, 23576..23800, 23576..23803, 23578..23802, 23578..23811, 23858..23977, 23872..23976, 24117..24140, 24119..24139, 24134..24232, 24135..24233, 24592..24873, 24593..24874		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49848	Strand	
Start	22467	End	24961
Name	OJ991014_08.0112.C18.o3.tc	Method	TBLASTX:Cress
Start	23683	End	24739
GI	none	Score	152
Exons	23683..23811, 23684..23800, 23873..23950, 23884..23943, 24087..24233, 24131..24232, 24623..24739, 24631..24738		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49848	Strand	
Start	22467	End	24961
Name	OJ991014_08.0112.C18.o3.ts	Method	TBLASTX:Soybean
Start	24747	End	24961

GI	none	Score	75
Exons	24747..24911, 24751..24915, 24752..24919, 24908..24961		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49849	Strand	
Start	26177	End	26476
Name	OJ991014_08.0112.C18.o6.tm	Method	TBLASTX:Maize
Start	26177	End	26476
GI	none	Score	185
Exons	26177..26317, 26182..26259, 26317..26343, 26390..26476, 26417..26476		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49850	Strand	
Start	27027	End	29030
Name	OJ991014_08.0112.C18.o1.tm	Method	TBLASTX:Maize
Start	27027	End	29030
GI	none	Score	470
Exons	27027..27347, 27035..27403, 27046..27393, 27483..27644, 27486..27653, 27562..27669, 27730..27810, 27737..27769, 27748..27813, 27913..28029, 27914..28039, 27915..28040, 28932..29030, 28935..29030		

Seq. No.	23901	Seq. ID	OJ991014_08.0112.C18
Gene No.	49850	Strand	
Start	27027	End	29030
Name	OJ991014_08.0112.C18.o4.ts	Method	TBLASTX:Soybean
Start	27483	End	27632
GI	none	Score	208
Exons	27483..27632, 27483..27623, 27533..27631		

Seq. No.	23902	Seq. ID	OJ991014_01.0111.C1
Gene No.	49851	Strand	-
Start	1	End	649
Name	OJ991014_01.0111.C1.o1.np	Method	AAT/NAP
Start	1	End	649
GI	5091513	Score	957
Exons	1..649		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	23902	Seq. ID	OJ991014_01.0111.C1
Gene No.	49851	Strand	-
Start	1	End	649
Name	OJ991014_01.0111.C1.o1.gs	Method	GENSCAN
Start	61	End	568
GI	none	Score	.48
Exons	61..568		

Seq. No.	23903	Seq. ID	OJ991014_01.0111.C2
Gene No.	49852	Strand	-
Start	1	End	532
Name	OJ991014_01.0111.C2.o1.np	Method	AAT/NAP
Start	1	End	450
GI	3645898	Score	294
Exons	1..450		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	23903	Seq. ID	OJ991014_01.0111.C2
Gene No.	49852	Strand	-
Start	1	End	532
Name	OJ991014_01.0111.C2.o1.tm	Method	TBLASTX:Maize
Start	2	End	226
GI	none	Score	191
Exons	2..226		

Seq. No.	23903	Seq. ID	OJ991014_01.0111.C2
Gene No.	49852	Strand	-
Start	1	End	532
Name	OJ991014_01.0111.C2.o1.gs	Method	GENSCAN
Start	12	End	532
GI	none	Score	.49
Exons	12..532		

Seq. No.	23904	Seq. ID	OJ991014_01.0111.C3
Gene No.	49853	Strand	+
Start	1	End	1014
Name	OJ991014_01.0111.C3.o1.np	Method	AAT/NAP
Start	1	End	870
GI	5091513	Score	1189
Exons	1..870		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	23904	Seq. ID	OJ991014_01.0111.C3
Gene No.	49853	Strand	+
Start	1	End	1014
Name	OJ991014_01.0111.C3.o1.gs	Method	GENSCAN
Start	92	End	1014
GI	none	Score	.59
Exons	92..1014		

Seq. No.	23905	Seq. ID	OJ991014_01.0111.C4
Gene No.	49854	Strand	+
Start	1	End	1057
Name	OJ991014_01.0111.C4.o1.np	Method	AAT/NAP
Start	1	End	1057
GI	5091513	Score	1194
Exons	1..31, 159..1057		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	23905	Seq. ID	OJ991014_01.0111.C4
Gene No.	49854	Strand	+
Start	1	End	1057
Name	OJ991014_01.0111.C4.o1.gs	Method	GENSCAN
Start	146	End	862
GI	none	Score	.72
Exons	146..862		

Seq. No.	23906	Seq. ID	OJ991014_01.0111.C5
Gene No.	49855	Strand	-
Start	960	End	2151
Name	OJ991014_01.0111.C5.o1.gs	Method	GENSCAN
Start	960	End	2151
GI	none	Score	.42

Exons	960..1148, 2064..2151		
Seq. No.	23907	Seq. ID	OJ991014_01.0111.C6
Gene No.	49856	Strand	+
Start	1	End	1157
Name	OJ991014_01.0111.C6.o1.np	Method	AAT/NAP
Start	1	End	1157
GI	3645898	Score	256
Exons	1..618, 687..1157		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		
Seq. No.	23907	Seq. ID	OJ991014_01.0111.C6
Gene No.	49856	Strand	+
Start	1	End	1157
Name	OJ991014_01.0111.C6.o1.gs	Method	GENSCAN
Start	103	End	795
GI	none	Score	.97
Exons	103..795		
Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49857	Strand	+
Start	1	End	6144
Name	OJ991014_01.0111.C7.o1.np	Method	AAT/NAP
Start	1	End	264
GI	4416301	Score	80
Exons	1..264		
GI Descrip.	(AF105716) gag protein [Zea mays]		
Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49857	Strand	+
Start	1	End	6144
Name	OJ991014_01.0111.C7.o1.gs	Method	GENSCAN
Start	46	End	6144
GI	none	Score	.52
Exons	46..240, 283..423, 532..802, 813..1007, 1046..2519, 2702..2909, 3079..3532, 4465..4620, 4962..5119, 5423..5777, 5792..6144		
Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49857	Strand	+
Start	1	End	6144
Name	OJ991014_01.0111.C7.o2.np	Method	AAT/NAP
Start	334	End	3570
GI	4416302	Score	3798
Exons	334..1737, 1795..3570		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		
Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49858	Strand	+
Start	7515	End	9629
Name	OJ991014_01.0111.C7.o2.gs	Method	GENSCAN
Start	7515	End	9629
GI	none	Score	.96
Exons	7515..7588, 8223..8491, 8624..8758, 9613..9629		
Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-

Start	1	End	16909
Name	OJ991014_01.0111.C7.o3.np	Method	AAT/NAP
Start	1	End	16909
GI	4325282	Score	391
Exons	1..70, 5932..6017, 16317..16383, 16504..16909		
GI Descrip.	(AF123310) NAC domain protein NAM [Arabidopsis thaliana] gi|4325286|gb|AAD17314| (AF123311) NAC domain protein NAM [Arabidopsis thaliana] gi|6862948|gb|AAF30336.1|AC019018_14 (AC019018) NAM-like protein [Arabidopsis thaliana]		

Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o4.tm	Method	TBLASTX:Maize
Start	526	End	916
GI	none	Score	140
Exons	526..645, 643..864, 643..864, 651..866, 845..916		

Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o2.tw	Method	TBLASTX:Wheat
Start	685	End	1254
GI	none	Score	192
Exons	685..876, 687..875, 845..931, 856..912, 943..969, 943..969, 971..1057, 1027..1254, 1068..1253		

Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o2.tm	Method	TBLASTX:Maize
Start	918	End	1611
GI	none	Score	106
Exons	918..986, 919..993, 920..991, 1024..1581, 1038..1568, 1069..1611		

Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o4.ts	Method	TBLASTX:Soybean
Start	1099	End	1560
GI	none	Score	225
Exons	1099..1410, 1119..1289, 1459..1560		

Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o5.tw	Method	TBLASTX:Wheat
Start	1342	End	1581
GI	none	Score	103
Exons	1342..1413, 1419..1568, 1453..1581, 1456..1581		

Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o5.tm	Method	TBLASTX:Maize
Start	1882	End	2211
GI	none	Score	446

Exons	1882..2211, 1918..2208, 1920..2210		
Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o1.ts	Method	TBLASTX:Soybean
Start	1944	End	2552
GI	5509260	Score	239
Exons	1944..2165, 1945..2163, 1945..2175, 2161..2550, 2170..2550, 2241..2552		
GI Descrip.	-		
Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o1.tw	Method	TBLASTX:Wheat
Start	2070	End	2538
GI	none	Score	93
Exons	2070..2162, 2080..2163, 2189..2209, 2191..2538, 2241..2525		
Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o3.tc	Method	TBLASTX:Cress
Start	2152	End	2433
GI	none	Score	199
Exons	2152..2433, 2238..2306		
Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o3.tm	Method	TBLASTX:Maize
Start	2212	End	2662
GI	none	Score	539
Exons	2212..2595, 2219..2554, 2241..2594, 2607..2660, 2608..2661, 2608..2661, 2609..2662		
Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o7.tm	Method	TBLASTX:Maize
Start	2700	End	2926
GI	none	Score	287
Exons	2700..2921, 2720..2926		
Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o1.tm	Method	TBLASTX:Maize
Start	2946	End	3570
GI	none	Score	930
Exons	2946..3503, 2947..3564, 3274..3570		
Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o2.ts	Method	TBLASTX:Soybean

Start	2947	End	3552
GI	none	Score	260
Exons	2947..3309, 3135..3299, 3319..3552, 3334..3429		

Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o2.tc	Method	TBLASTX:Cress
Start	3091	End	3549
GI	none	Score	63
Exons	3091..3180, 3184..3318, 3337..3549		

Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o4.tw	Method	TBLASTX:Wheat
Start	3100	End	3504
GI	none	Score	127
Exons	3100..3306, 3204..3305, 3328..3504, 3384..3503		

Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o3.gs	Method	GENSCAN
Start	11121	End	16816
GI	none	Score	.67
Exons	11121..11199, 11447..11589, 14587..14651, 15444..15465, 15680..16375, 16460..16816		

Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o6.tm	Method	TBLASTX:Maize
Start	16298	End	16799
GI	none	Score	111
Exons	16298..16378, 16547..16636, 16548..16637, 16649..16798, 16650..16799		

Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o1.tc	Method	TBLASTX:Cress
Start	16334	End	16808
GI	none	Score	134
Exons	16334..16378, 16547..16645, 16548..16643, 16553..16645, 16643..16795, 16671..16808		

Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o1.gp	Method	AAT/GAP
Start	16513	End	16797
GI	3762088	Score	537
Exons	16513..16797		
GI Descrip.	4325282/gb|AAD17313| 6.0e-49 (AF123310) NAC domain protein NAM [Arabidopsis thaliana] >gi_4325286_gb_AAD17314_ (AF123311) NAC domain protein NAM [Arabidopsis thaliana]		

Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o3.ts	Method	TBLASTX:Soybean
Start	16545	End	16841
GI	none	Score	144
Exons	16545..16658, 16547..16657, 16658..16795, 16659..16841		

Seq. No.	23908	Seq. ID	OJ991014_01.0111.C7
Gene No.	49859	Strand	-
Start	1	End	16909
Name	OJ991014_01.0111.C7.o3.tw	Method	TBLASTX:Wheat
Start	16547	End	16787
GI	none	Score	220
Exons	16547..16786, 16548..16784, 16671..16787		

Seq. No.	23909	Seq. ID	OJ991014_01.0111.C8
Gene No.	49860	Strand	+
Start	293	End	1476
Name	OJ991014_01.0111.C8.o1.gs	Method	GENSCAN
Start	293	End	1476
GI	none	Score	.94
Exons	293..438, 1133..1148, 1414..1476		

Seq. No.	23909	Seq. ID	OJ991014_01.0111.C8
Gene No.	49861	Strand	-
Start	1	End	208
Name	OJ991014_01.0111.C8.o1.gp	Method	AAT/GAP
Start	1	End	208
GI	1631908	Score	405
Exons	1..208		

Seq. No.	23909	Seq. ID	OJ991014_01.0111.C8
Gene No.	49862	Strand	-
Start	2304	End	3732
Name	OJ991014_01.0111.C8.o2.gs	Method	GENSCAN
Start	2304	End	3732
GI	none	Score	.59
Exons	2304..2381, 3299..3492, 3512..3732		

Seq. No.	23910	Seq. ID	OJ991014_01.0111.C9
Gene No.	49863	Strand	+
Start	115	End	557
Name	OJ991014_01.0111.C9.o1.gs	Method	GENSCAN
Start	115	End	557
GI	none	Score	.75
Exons	115..255, 346..557		

Seq. No.	23910	Seq. ID	OJ991014_01.0111.C9
Gene No.	49864	Strand	+
Start	948	End	6938
Name	OJ991014_01.0111.C9.o1.np	Method	AAT/NAP
Start	948	End	6938
GI	5091513	Score	1912
Exons	948..982, 2555..2676, 3262..3844, 4598..6037, 6786..6938		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	23910	Seq. ID	OJ991014_01.0111.C9
Gene No.	49864	Strand	+
Start	948	End	6938
Name	OJ991014_01.0111.C9.o1.gp	Method	AAT/GAP
Start	2042	End	2357
GI	72524_1.R1084	Score	422
Exons	2042..2357		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	23910	Seq. ID	OJ991014_01.0111.C9
Gene No.	49864	Strand	+
Start	948	End	6938
Name	OJ991014_01.0111.C9.o3.gs	Method	GENSCAN
Start	4607	End	6780
GI	none	Score	.42
Exons	4607..5460, 5726..5841, 5896..6288, 6383..6780		

Seq. No.	23910	Seq. ID	OJ991014_01.0111.C9
Gene No.	49865	Strand	-
Start	8393	End	8704
Name	OJ991014_01.0111.C9.o3.gp	Method	AAT/GAP
Start	8393	End	8704
GI	72524_1.R1084	Score	425
Exons	8393..8704		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49866	Strand	+
Start	4505	End	4601
Name	OJ991014_01.0111.C10.o1.gp	Method	AAT/GAP
Start	4505	End	4601
GI	5867_1.R1084	Score	137
Exons	4505..4601		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49867	Strand	+
Start	7885	End	19344
Name	OJ991014_01.0111.C10.o2.np	Method	AAT/NAP
Start	7870	End	15142
GI	5921924	Score	1122
Exons	7870..7971, 8148..8219, 13145..13450, 14144..15142		
GI Descrip.	CYTOCHROME P450 51 (CYPL1) (P450-L1A1) (OBTUSIFOLIOL 14-ALPHA DEMETHYLASE) gi|1658193 (U74319) obtusifoliol 14-alpha demethylase CYP51 [Sorghum bicolor]		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49867	Strand	+

Start	7885	End	19344
Name	OJ991014_01.0111.C10.o3.gs	Method	GENSCAN
Start	7885	End	16197
GI	none	Score	.59
Exons	7885..8694, 11197..11320, 12909..13450, 14144..15001, 15894..15940, 16026..16197		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49867	Strand	+
Start	7885	End	19344
Name	OJ991014_01.0111.C10.o3.np	Method	AAT/NAP
Start	14835	End	15133
GI	2262164	Score	304
Exons	14835..15133		
GI Descrip.	(AC002329) putative obtusifoliol 14-alpha demethylase [Arabidopsis thaliana]		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49867	Strand	+
Start	7885	End	19344
Name	OJ991014_01.0111.C10.o4.np	Method	AAT/NAP
Start	16030	End	18760
GI	4586676	Score	615
Exons	16030..16191, 16642..16808, 18128..18760		
GI Descrip.	(AB025047) sterol 14-demethylase [Oryza sativa]		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49867	Strand	+
Start	7885	End	19344
Name	OJ991014_01.0111.C10.o8.np	Method	AAT/NAP
Start	16623	End	19335
GI	4835788	Score	754
Exons	16623..16808, 18128..19066, 19313..19335		
GI Descrip.	(AC007296) Strong similarity to gb|U74319 obtusifoliol 14-alpha demethylase (CYP51) from Sorghum bicolor and is a member of the PF|00067 cytochrome P450 family. ESTs gb|AA72030, gb|N65031 and gb|AA651059 come from ...		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49867	Strand	+
Start	7885	End	19344
Name	OJ991014_01.0111.C10.o6.np	Method	AAT/NAP
Start	16627	End	19335
GI	4835788	Score	759
Exons	16627..16808, 18128..19066, 19313..19335		
GI Descrip.	(AC007296) Strong similarity to gb|U74319 obtusifoliol 14-alpha demethylase (CYP51) from Sorghum bicolor and is a member of the PF|00067 cytochrome P450 family. ESTs gb|AA72030, gb|N65031 and gb|AA651059 come from ...		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49867	Strand	+
Start	7885	End	19344
Name	OJ991014_01.0111.C10.o7.np	Method	AAT/NAP
Start	16630	End	19344
GI	5921924	Score	791
Exons	16630..16808, 18128..19062, 19309..19344		

GI Descrip.	CYTOCHROME P450 51 (CYPL1) (P450-L1A1) (OBTUSIFOLIOL 14-ALPHA DEMETHYLASE) gi|1658193 (U74319) obtusifoliol 14-alpha demethylase CYP51 [Sorghum bicolor]		
Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49867	Strand	+
Start	7885	End	19344
Name	OJ991014_01.0111.C10.o4.gs	Method	GENSCAN
Start	17538	End	18961
GI	none	Score	.72
Exons	17538..17674, 18159..18407, 18415..18961		
Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49867	Strand	+
Start	7885	End	19344
Name	OJ991014_01.0111.C10.o5.np	Method	AAT/NAP
Start	18136	End	19344
GI	1707855	Score	723
Exons	18136..19062, 19309..19344		
GI Descrip.	(Y09292) obtusifoliol 14-alpha-demethylase [Triticum aestivum]		
Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49868	Strand	-
Start	1212	End	4405
Name	OJ991014_01.0111.C10.o1.gs	Method	GENSCAN
Start	1212	End	2715
GI	none	Score	.84
Exons	1212..1301, 1945..2008, 2129..2715		
Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49868	Strand	-
Start	1212	End	4405
Name	OJ991014_01.0111.C10.o1.np	Method	AAT/NAP
Start	2129	End	4405
GI	2443891	Score	316
Exons	2129..2541, 4322..4405		
GI Descrip.	(AC002294) Unknown protein [Arabidopsis thaliana]		
Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49869	Strand	-
Start	10329	End	21469
Name	OJ991014_01.0111.C10.o3.ts	Method	TBLASTX:Soybean
Start	2254	End	2544
GI	none	Score	198
Exons	2254..2544		
Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49869	Strand	-
Start	10329	End	21469
Name	OJ991014_01.0111.C10.o2.tm	Method	TBLASTX:Maize
Start	8513	End	11283
GI	none	Score	116
Exons	8513..8629, 8513..8623, 8514..8693, 8515..8694, 8661..8696, 10450..10821, 10452..10820, 10452..10823, 10453..10821, 11194..11283, 11196..11279, 11203..11283		
Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10

Gene No.	49869	Strand	-
Start	10329	End	21469
Name	OJ991014_01.0111.C10.o9.np	Method	AAT/NAP
Start	10329	End	21468
GI	5738362	Score	214
Exons	10329..10389, 19892..20046, 21255..21468		
GI Descrip.	(AL021637) putative protein [Arabidopsis thaliana]		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49869	Strand	-
Start	10329	End	21469
Name	OJ991014_01.0111.C10.o2.ts	Method	TBLASTX:Soybean
Start	10438	End	10698
GI	none	Score	221
Exons	10438..10698, 10548..10697		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49869	Strand	-
Start	10329	End	21469
Name	OJ991014_01.0111.C10.o1.tc	Method	TBLASTX:Cress
Start	10453	End	10821
GI	none	Score	287
Exons	10453..10821, 10549..10743, 10557..10778		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49869	Strand	-
Start	10329	End	21469
Name	OJ991014_01.0111.C10.o1.tw	Method	TBLASTX:Wheat
Start	10473	End	10821
GI	none	Score	281
Exons	10473..10769, 10474..10821		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49869	Strand	-
Start	10329	End	21469
Name	OJ991014_01.0111.C10.o4.tc	Method	TBLASTX:Cress
Start	13145	End	18333
GI	none	Score	60
Exons	13145..13213, 13147..13209, 13222..13374, 13223..13450, 14138..14293, 14141..14194, 14266..14394, 14267..14419, 16066..16209, 16080..16208, 16642..16761, 16654..16761, 18172..18333		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49869	Strand	-
Start	10329	End	21469
Name	OJ991014_01.0111.C10.o1.tm	Method	TBLASTX:Maize
Start	14138	End	19065
GI	none	Score	175
Exons	14138..14293, 14143..14289, 14266..14616, 14267..14638, 14678..15130, 14692..14817, 14890..15129, 18136..18330, 18172..18333, 18255..18344, 18298..18438, 18318..18437, 18438..18521, 18443..18520, 18596..18739, 18623..18730, 18754..18864, 18755..18922, 18916..18945, 18952..19065, 18952..19062		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10

Gene No.	49869	Strand	-
Start	10329	End	21469
Name	OJ991014_01.0111.C10.o1.ts	Method	TBLASTX:Soybean
Start	14405	End	19065
GI	none	Score	137
Exons	14405..14554, 14434..14553, 14561..14638, 14677..15009, 14678..15133, 14990..15130, 18375..18434, 18376..18435, 18438..18497, 18440..18496, 18501..18521, 18605..18739, 18755..18922, 18913..18951, 18952..19065, 18964..19062		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49869	Strand	-
Start	10329	End	21469
Name	OJ991014_01.0111.C10.o3.tc	Method	TBLASTX:Cress
Start	14447	End	18739
GI	none	Score	177
Exons	14447..14638, 14461..14583, 14645..14794, 14645..14794, 18384..18434, 18385..18435, 18438..18521, 18443..18520, 18596..18739		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49869	Strand	-
Start	10329	End	21469
Name	OJ991014_01.0111.C10.o2.tc	Method	TBLASTX:Cress
Start	14858	End	19065
GI	none	Score	283
Exons	14858..15133, 14897..15130, 18902..18946, 18907..18951, 18952..19065, 18952..19065		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49869	Strand	-
Start	10329	End	21469
Name	OJ991014_01.0111.C10.o2.gp	Method	AAT/GAP
Start	19541	End	21385
GI	5003489	Score	1220
Exons	19541..20046, 21255..21385		
GI Descrip.	5738362/emb|CAB52870.1| 2.0e-18 (AL021637) putative protein [Arabidopsis thaliana]		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49869	Strand	-
Start	10329	End	21469
Name	OJ991014_01.0111.C10.o3.tm	Method	TBLASTX:Maize
Start	19542	End	21469
GI	none	Score	41
Exons	19542..19589, 19544..19597, 19682..19756, 19688..19756, 19787..19846, 19794..19847, 19795..19866, 19795..19866, 19829..19930, 19838..20044, 19860..20048, 19921..20046, 21244..21450, 21251..21469, 21252..21452		

Seq. No.	23911	Seq. ID	OJ991014_01.0111.C10
Gene No.	49869	Strand	-
Start	10329	End	21469
Name	OJ991014_01.0111.C10.o5.gs	Method	GENSCAN
Start	19860	End	21449
GI	none	Score	.61
Exons	19860..20046, 21255..21449		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49870	Strand	+
Start	5887	End	15028
Name	OJ991014_01.0111.C11.o1.np	Method	AAT/NAP
Start	5887	End	14965
GI	6822068	Score	1156
Exons	5887..6013, 8562..8824, 10285..10366, 11292..11392, 11695..11794, 12145..12279, 13800..14965		
GI Descrip.	(AL132957) SCARECROW1 [Arabidopsis thaliana]		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49870	Strand	+
Start	5887	End	15028
Name	OJ991014_01.0111.C11.o5.gs	Method	GENSCAN
Start	13655	End	15028
GI	none	Score	.88
Exons	13655..15028		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49871	Strand	+
Start	17706	End	20057
Name	OJ991014_01.0111.C11.o6.gs	Method	GENSCAN
Start	17706	End	20057
GI	none	Score	.7
Exons	17706..17857, 18587..18808, 18853..18943, 19260..19760, 19998..20057		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49872	Strand	+
Start	21443	End	22710
Name	OJ991014_01.0111.C11.o7.gs	Method	GENSCAN
Start	21443	End	22710
GI	none	Score	.42
Exons	21443..21479, 21617..21803, 22665..22710		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49873	Strand	-
Start	336	End	4228
Name	OJ991014_01.0111.C11.o1.gp	Method	AAT/GAP
Start	336	End	3570
GI	31792_1.R1084	Score	1395
Exons	336..502, 1424..1573, 3052..3570		
GI Descrip.	'2129549/pir||S71198 9.0e-18 calcium-dependent protein kinase (EC 2.7.1.-) CDPK19 - Arabidopsis thaliana >gi_2129551_pir__S71778 calcium-dependent protein kinase 19 - Arabidopsis thaliana >gi_836942 (U20624) calcium-dependent protein kinase [Arabidopsis thaliana] >gi_836948 (U20627) calcium-dependent protein kinase [Arabidopsis thaliana]'		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49873	Strand	-
Start	336	End	4228
Name	OJ991014_01.0111.C11.o1.gs	Method	GENSCAN
Start	365	End	4228
GI	none	Score	.84
Exons	365..502, 1424..1573, 3052..4034, 4058..4228		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49874	Strand	-
Start	4811	End	6035
Name	OJ991014_01.0111.C11.o2.gp	Method	AAT/GAP
Start	4811	End	5290
GI	2431280	Score	634
Exons	4811..5135, 5226..5290		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49874	Strand	-
Start	4811	End	6035
Name	OJ991014_01.0111.C11.o2.gs	Method	GENSCAN
Start	4995	End	6035
GI	none	Score	.84
Exons	4995..5135, 5226..5289, 5382..5413, 5494..5576, 5789..6035		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49875	Strand	-
Start	10686	End	13337
Name	OJ991014_01.0111.C11.o4.gs	Method	GENSCAN
Start	10686	End	13337
GI	none	Score	.58
Exons	10686..10817, 11680..11958, 12328..12468, 12780..12862, 13256..13337		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49876	Strand	-
Start	13459	End	13825
Name	OJ991014_01.0111.C11.o3.gp	Method	AAT/GAP
Start	13459	End	13825
GI	none	Score	437
Exons	13459..13484, 13558..13825		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49877	Strand	-
Start	14799	End	15201
Name	OJ991014_01.0111.C11.o4.gp	Method	AAT/GAP
Start	14799	End	15201
GI	56673_1.R1084	Score	773
Exons	14799..15201		
GI Descrip.	'1497987 7.0e-10 (U62798) SCARECROW [Arabidopsis thaliana]'		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49878	Strand	-
Start	20654	End	20793
Name	OJ991014_01.0111.C11.o2.np	Method	AAT/NAP
Start	20654	End	20793
GI	6815099	Score	88
Exons	20654..20793		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49879	Strand	-
Start	23191	End	24278
Name	OJ991014_01.0111.C11.o3.tm	Method	TBLASTX:Maize
Start	365	End	3234

GI	none	Score	165
Exons	365..505, 370..504, 372..509, 1421..1573, 1423..1572, 3036..3233, 3037..3234, 3040..3225, 3048..3233		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49879	Strand	-
Start	23191	End	24278
Name	OJ991014_01.0111.C11.o4.ts	Method	TBLASTX:Soybean
Start	1421	End	3125
GI	none	Score	125
Exons	1421..1573, 1422..1571, 1423..1572, 3066..3125		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49879	Strand	-
Start	23191	End	24278
Name	OJ991014_01.0111.C11.o3.ts	Method	TBLASTX:Soybean
Start	3351	End	3692
GI	none	Score	78
Exons	3351..3440, 3435..3581, 3603..3692		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49879	Strand	-
Start	23191	End	24278
Name	OJ991014_01.0111.C11.o6.tm	Method	TBLASTX:Maize
Start	4997	End	5132
GI	none	Score	137
Exons	4997..5128, 5013..5132, 5014..5130		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49879	Strand	-
Start	23191	End	24278
Name	OJ991014_01.0111.C11.o5.ts	Method	TBLASTX:Soybean
Start	5013	End	5264
GI	none	Score	104
Exons	5013..5135, 5014..5136, 5021..5137, 5226..5264		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49879	Strand	-
Start	23191	End	24278
Name	OJ991014_01.0111.C11.o2.tc	Method	TBLASTX:Cress
Start	5097	End	5559
GI	none	Score	74
Exons	5097..5135, 5098..5136, 5195..5290, 5226..5291, 5227..5298, 5381..5413, 5494..5559		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49879	Strand	-
Start	23191	End	24278
Name	OJ991014_01.0111.C11.o1.tm	Method	TBLASTX:Maize
Start	13861	End	14359
GI	none	Score	178
Exons	13861..14031, 13877..14074, 14057..14359, 14080..14358		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49879	Strand	-
Start	23191	End	24278
Name	OJ991014_01.0111.C11.o1.tc	Method	TBLASTX:Cress

Start	13877	End	14959
GI	none	Score	549
Exons	13877..14407, 13951..14031, 14071..14400, 14446..14601, 14447..14623, 14681..14959, 14716..14745, 14800..14958		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49879	Strand	-
Start	23191	End	24278
Name	OJ991014_01.0111.C11.o1.ts	Method	TBLASTX:Soybean
Start	13931	End	14529
GI	none	Score	117
Exons	13931..14047, 13951..14031, 14072..14407, 14108..14248, 14119..14400, 14446..14529, 14447..14527		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49879	Strand	-
Start	23191	End	24278
Name	OJ991014_01.0111.C11.o5.tm	Method	TBLASTX:Maize
Start	14360	End	14623
GI	none	Score	52
Exons	14360..14407, 14360..14407, 14444..14563, 14446..14601, 14447..14623		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49879	Strand	-
Start	23191	End	24278
Name	OJ991014_01.0111.C11.o4.tm	Method	TBLASTX:Maize
Start	14690	End	14959
GI	none	Score	300
Exons	14690..14959, 14690..14953, 14800..14958		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49879	Strand	-
Start	23191	End	24278
Name	OJ991014_01.0111.C11.o2.ts	Method	TBLASTX:Soybean
Start	14756	End	14959
GI	none	Score	227
Exons	14756..14959, 14756..14953, 14800..14958		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49879	Strand	-
Start	23191	End	24278
Name	OJ991014_01.0111.C11.o8.gs	Method	GENSCAN
Start	23191	End	23928
GI	none	Score	.8
Exons	23191..23487, 23591..23671, 23740..23928		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49879	Strand	-
Start	23191	End	24278
Name	OJ991014_01.0111.C11.o3.np	Method	AAT/NAP
Start	23194	End	24278
GI	4914320	Score	397
Exons	23194..23428, 23535..23671, 23740..23952, 24222..24278		
GI Descrip.	(AC005489) F14N23.6 [Arabidopsis thaliana]		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11

Gene No.	49879	Strand	-
Start	23191	End	24278
Name	OJ991014_01.0111.C11.o2.tm	Method	TBLASTX:Maize
Start	23374	End	23944
GI	none	Score	57
Exons	23374..23430, 23375..23431, 23535..23672, 23537..23674, 23537..23674, 23726..23929, 23737..23931, 23741..23944		

Seq. No.	23912	Seq. ID	OJ991014_01.0111.C11
Gene No.	49879	Strand	-
Start	23191	End	24278
Name	OJ991014_01.0111.C11.o3.tc	Method	TBLASTX:Cress
Start	23612	End	23931
GI	none	Score	96
Exons	23612..23674, 23726..23929, 23734..23931		

Seq. No.	23913	Seq. ID	OJ991014_01.0111.C12
Gene No.	49880	Strand	-
Start	1	End	3456
Name	OJ991014_01.0111.C12.o1.np	Method	AAT/NAP
Start	1	End	3447
GI	4914320	Score	1167
Exons	1..27, 338..856, 1419..2457, 2764..2858, 3352..3447		
GI Descrip.	(AC005489) F14N23.6 [Arabidopsis thaliana]		

Seq. No.	23913	Seq. ID	OJ991014_01.0111.C12
Gene No.	49880	Strand	-
Start	1	End	3456
Name	OJ991014_01.0111.C12.o1.gs	Method	GENSCAN
Start	320	End	3456
GI	none	Score	.87
Exons	320..856, 1419..2457, 2764..2858, 3352..3456		

Seq. No.	23913	Seq. ID	OJ991014_01.0111.C12
Gene No.	49880	Strand	-
Start	1	End	3456
Name	OJ991014_01.0111.C12.o1.tm	Method	TBLASTX:Maize
Start	452	End	1469
GI	none	Score	463
Exons	452..856, 453..857, 761..859, 1393..1458, 1418..1456, 1419..1469, 1420..1458		

Seq. No.	23913	Seq. ID	OJ991014_01.0111.C12
Gene No.	49880	Strand	-
Start	1	End	3456
Name	OJ991014_01.0111.C12.o1.tc	Method	TBLASTX:Cress
Start	1953	End	2282
GI	none	Score	87
Exons	1953..2141, 1960..2121, 2187..2255, 2199..2282		

Seq. No.	23913	Seq. ID	OJ991014_01.0111.C12
Gene No.	49880	Strand	-
Start	1	End	3456
Name	OJ991014_01.0111.C12.o2.tm	Method	TBLASTX:Maize
Start	2216	End	2813
GI	none	Score	188
Exons	2216..2470, 2217..2405, 2335..2466, 2760..2813		

Seq. No.	23914	Seq. ID	OJ991014_01.0111.C13
Gene No.	49881	Strand	+
Start	79	End	8694
Name	OJ991014_01.0111.C13.o1.gs	Method	GENSCAN
Start	79	End	8402
GI	none	Score	.5
Exons	79..97, 2099..2194, 4031..4152, 4712..5007, 5101..5258, 5350..5503, 5675..5746, 5834..5905, 6235..6407, 6938..7308, 7468..7594, 7913..8102, 8270..8402		

Seq. No.	23914	Seq. ID	OJ991014_01.0111.C13
Gene No.	49881	Strand	+
Start	79	End	8694
Name	OJ991014_01.0111.C13.o1.np	Method	AAT/NAP
Start	2500	End	8694
GI	5679841	Score	414
Exons	2500..2530, 6994..7158, 7468..7604, 7681..7733, 7913..8102, 8270..8402, 8572..8694		
GI Descrip.	(AJ243961) contains eukaryotic protein kinase domain PF|00069 [Oryza sativa]		

Seq. No.	23914	Seq. ID	OJ991014_01.0111.C13
Gene No.	49881	Strand	+
Start	79	End	8694
Name	OJ991014_01.0111.C13.o1.gp	Method	AAT/GAP
Start	5145	End	6131
GI	uC-osflcyp085b05a1	Score	828
Exons	5145..5258, 5350..5503, 5675..5746, 5834..5905, 6080..6131		
GI Descrip.	'3176723 7.0e-10 (AC002392) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	23914	Seq. ID	OJ991014_01.0111.C13
Gene No.	49881	Strand	+
Start	79	End	8694
Name	OJ991014_01.0111.C13.o1.ts	Method	TBLASTX:Soybean
Start	7462	End	8360
GI	none	Score	123
Exons	7462..7596, 7893..8030, 7903..8103, 8271..8360		

Seq. No.	23914	Seq. ID	OJ991014_01.0111.C13
Gene No.	49881	Strand	+
Start	79	End	8694
Name	OJ991014_01.0111.C13.o1.tm	Method	TBLASTX:Maize
Start	7536	End	8390
GI	none	Score	65
Exons	7536..7595, 7540..7596, 7542..7595, 7623..7733, 7660..7755, 7663..7734, 7887..8105, 7903..8103, 8251..8364, 8271..8390, 8271..8390		

Seq. No.	23915	Seq. ID	OJ991014_01.0111.C14
Gene No.	49882	Strand	+
Start	324	End	505
Name	OJ991014_01.0111.C14.o1.gs	Method	GENSCAN
Start	324	End	505
GI	none	Score	.99
Exons	324..505		

Seq. No.	23915	Seq. ID	OJ991014_01.0111.C14
Gene No.	49883	Strand	
Start	2250	End	2517
Name	OJ991014_01.0111.C14.o1.tm	Method	TBLASTX:Maize
Start	2250	End	2473
GI	none	Score	66
Exons	2250..2471, 2255..2374, 2260..2379, 2341..2472, 2375..2473		

Seq. No.	23915	Seq. ID	OJ991014_01.0111.C14
Gene No.	49883	Strand	
Start	2250	End	2517
Name	OJ991014_01.0111.C14.o1.tw	Method	TBLASTX:Wheat
Start	2292	End	2517
GI	none	Score	75
Exons	2292..2471, 2330..2470, 2344..2475, 2453..2509, 2469..2516, 2470..2517		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49884	Strand	+
Start	2556	End	9443
Name	OJ991014_01.0111.C15.o2.np	Method	AAT/NAP
Start	2556	End	7967
GI	81286	Score	164
Exons	2556..2677, 6190..6321, 6535..6815, 7765..7967		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49884	Strand	+
Start	2556	End	9443
Name	OJ991014_01.0111.C15.o3.np	Method	AAT/NAP
Start	7376	End	9443
GI	1871192	Score	1032
Exons	7376..9443		
GI Descrip.	(U90439) putative CCCH-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49884	Strand	+
Start	2556	End	9443
Name	OJ991014_01.0111.C15.o1.gp	Method	AAT/GAP
Start	7843	End	8285
GI	LIB3431-019-P1-K1-E3	Score	830
Exons	7843..8285		
GI Descrip.	'1871192 9.0e-26 (U90439) Cys3His zinc finger protein isolog [Arabidopsis thaliana]'		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49884	Strand	+
Start	2556	End	9443
Name	OJ991014_01.0111.C15.o2.gp	Method	AAT/GAP
Start	8404	End	8795
GI	3763031	Score	722
Exons	8404..8795		
GI Descrip.	1871192 4.0e-10 (U90439) Cys3His zinc finger protein isolog [Arabidopsis thaliana]		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49884	Strand	+
Start	2556	End	9443
Name	OJ991014_01.0111.C15.o3.gp	Method	AAT/GAP
Start	8818	End	9345
GI	LIB3434-003-P1-K1-B11	Score	1035
Exons	8818..9345		
GI Descrip.	'1871192 1.0e-20 (U90439) Cys3His zinc finger protein isolog [Arabidopsis thaliana]'		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49885	Strand	+
Start	13512	End	15802
Name	OJ991014_01.0111.C15.o3.gs	Method	GENSCAN
Start	13512	End	15802
GI	none	Score	.93
Exons	13512..13571, 15191..15802		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49886	Strand	+
Start	22602	End	23989
Name	OJ991014_01.0111.C15.o5.gs	Method	GENSCAN
Start	22602	End	23989
GI	none	Score	.72
Exons	22602..22604, 23004..23070, 23207..23394, 23747..23989		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49887	Strand	-
Start	1	End	5368
Name	OJ991014_01.0111.C15.o1.np	Method	AAT/NAP
Start	1	End	1549
GI	3738294	Score	700
Exons	1..496, 785..1165, 1201..1549		
GI Descrip.	(AC005309) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49887	Strand	-
Start	1	End	5368
Name	OJ991014_01.0111.C15.o1.gs	Method	GENSCAN
Start	259	End	5368
GI	none	Score	.58
Exons	259..496, 785..1585, 1675..1713, 2687..2793, 2822..2920, 3104..3241, 5350..5368		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49888	Strand	-
Start	9333	End	14750
Name	OJ991014_01.0111.C15.o4.np	Method	AAT/NAP
Start	9333	End	14750
GI	4006895	Score	273
Exons	9333..9425, 11964..12074, 12790..12853, 13479..13530, 14046..14143, 14629..14750		
GI Descrip.	(Z99708) putative protein [Arabidopsis thaliana]		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49888	Strand	-

Start	9333	End	14750
Name	OJ991014_01.0111.C15.o4.gp	Method	AAT/GAP
Start	9452	End	9885
GI	none	Score	830
Exons	9452..9885		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49888	Strand	-
Start	9333	End	14750
Name	OJ991014_01.0111.C15.o5.gp	Method	AAT/GAP
Start	11004	End	14133
GI	2424_1.R1084	Score	1308
Exons	11004..11387, 11819..11889, 11975..12074, 12790..12853, 13479..13530, 14046..14133		
GI Descrip.	'4006895/emb|CAB16825.1| 5.0e-24 (Z99708) putative protein [Arabidopsis thaliana]'		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49889	Strand	-
Start	18094	End	19768
Name	OJ991014_01.0111.C15.o6.gp	Method	AAT/GAP
Start	18094	End	19768
GI	2428329	Score	772
Exons	18094..18216, 19267..19482, 19696..19768		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49890	Strand	-
Start	24935	End	31281
Name	OJ991014_01.0111.C15.o8.gp	Method	AAT/GAP
Start	24647	End	25094
GI	2317538	Score	861
Exons	24647..25094		
GI Descrip.	2129549/pir||S71198 9.0e-18 calcium-dependent protein kinase (EC 2.7.1.-) CDPK19 - Arabidopsis thaliana >gi_2129551_pir__S71778 calcium-dependent protein kinase 19 - Arabidopsis thaliana >gi_836942 (U20624) calcium-dependent protein kinase [Arabidopsis thaliana] >gi_836948 (U20627) calcium-dependent protein kinase [Arabidopsis thaliana]		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49890	Strand	-
Start	24935	End	31281
Name	OJ991014_01.0111.C15.o5.np	Method	AAT/NAP
Start	24935	End	28204
GI	2665890	Score	1883
Exons	24935..25087, 25252..25482, 25677..25844, 25941..26056, 26369..26521, 26757..26900, 27100..27223, 27642..28093, 28154..28204		
GI Descrip.	(AF035944) calcium-dependent protein kinase [Fragaria x ananassa]		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49890	Strand	-
Start	24935	End	31281
Name	OJ991014_01.0111.C15.o6.gs	Method	GENSCAN
Start	24935	End	31281
GI	none	Score	.97

Exons	24935..25087, 25252..25482, 25677..25844, 25941..26056, 26369..26521, 26757..26900, 27100..27223, 27642..28256, 29939..30047, 30959..31104, 31165..31281		
Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49890	Strand	-
Start	24935	End	31281
Name	OJ991014_01.0111.C15.o9.gp	Method	AAT/GAP
Start	25764	End	26834
GI	428545	Score	754
Exons	25764..25844, 25941..26056, 26369..26521, 26757..26834		
GI Descrip.	2665890 4.0e-59 (AF035944) calcium-dependent protein kinase [Fragaria x ananassa]		
Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o4.tm	Method	TBLASTX:Maize
Start	216	End	481
GI	none	Score	354
Exons	216..479, 216..476, 218..481, 218..481		
Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o4.ts	Method	TBLASTX:Soybean
Start	239	End	505
GI	none	Score	77
Exons	239..328, 240..329, 344..505, 357..497		
Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o1.tw	Method	TBLASTX:Wheat
Start	8093	End	8474
GI	none	Score	82
Exons	8093..8230, 8094..8270, 8097..8312, 8126..8311, 8303..8473, 8307..8474		
Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o1.ts	Method	TBLASTX:Soybean
Start	8099	End	9425
GI	none	Score	357
Exons	8099..8305, 8100..8312, 8310..8522, 8315..8548, 8643..8729, 8805..9092, 9132..9215, 9240..9284, 9321..9425, 9321..9425		
Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o1.tc	Method	TBLASTX:Cress
Start	8100	End	8519
GI	none	Score	338
Exons	8100..8312, 8100..8294, 8102..8308, 8309..8506, 8310..8519		
Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15

Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o1.tm	Method	TBLASTX:Maize
Start	8170	End	8929
GI	none	Score	109
Exons	8170..8292, 8186..8419, 8187..8420, 8279..8431, 8419..8502, 8423..8548, 8424..8534, 8513..8806, 8559..8807, 8808..8927, 8810..8929		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o2.tw	Method	TBLASTX:Wheat
Start	8637	End	8960
GI	none	Score	202
Exons	8637..8807, 8637..8822, 8638..8820, 8803..8958, 8807..8959, 8808..8960		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o3.tm	Method	TBLASTX:Maize
Start	8930	End	9711
GI	none	Score	121
Exons	8930..9007, 8931..9008, 9002..9106, 9003..9107, 9138..9320, 9140..9325, 9142..9327, 9142..9318, 9327..9419, 9329..9421, 9342..9410, 9408..9593, 9490..9546, 9498..9554, 9533..9574, 9592..9621, 9619..9660, 9654..9695, 9658..9711		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o2.tm	Method	TBLASTX:Maize
Start	17576	End	17969
GI	none	Score	425
Exons	17576..17968, 17576..17968, 17577..17969		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o3.ts	Method	TBLASTX:Soybean
Start	17601	End	17929
GI	none	Score	130
Exons	17601..17900, 17601..17756, 17603..17929		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o3.tc	Method	TBLASTX:Cress
Start	17693	End	18082
GI	none	Score	83
Exons	17693..17935, 17697..17903, 17930..18082, 17964..18059		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o7.tm	Method	TBLASTX:Maize

Start	17970	End	18243
GI	none	Score	152
Exons	17970..18107, 17972..18136, 17975..18133, 18108..18224, 18109..18243, 18115..18216		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o8.tm	Method	TBLASTX:Maize
Start	24879	End	25090
GI	none	Score	214
Exons	24879..25088, 24882..25088, 24926..25090		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o2.tc	Method	TBLASTX:Cress
Start	24923	End	28039
GI	none	Score	87
Exons	24923..25090, 24946..25089, 24950..25090, 24951..25160, 25250..25297, 25273..25479, 25355..25480, 25677..25850, 25717..25845, 25938..26057, 25939..26049, 25954..26082, 25956..26054, 26370..26537, 26374..26526, 26754..26900, 26756..26899, 26758..26901, 26759..26902, 27098..27226, 27099..27227, 27107..27295, 27580..27879, 27618..27896, 27639..27884, 27878..28039, 27879..27941		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o2.ts	Method	TBLASTX:Soybean
Start	24950	End	28204
GI	none	Score	100
Exons	24950..25090, 24950..25090, 24954..25115, 24954..25103, 25250..25480, 25251..25478, 25252..25479, 25677..25838, 25677..25850, 25720..25845, 25938..26057, 25938..26057, 25939..26058, 25954..26058, 26363..26461, 26370..26537, 26371..26526, 26756..26887, 26757..26891, 26758..26898, 26758..26901, 26759..26902, 27098..27226, 27099..27227, 27607..27879, 27618..27884, 27639..27884, 27876..27941, 27878..28051, 27879..27941, 27881..28021, 28043..28078, 28181..28204		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o5.tm	Method	TBLASTX:Maize
Start	25219	End	26872
GI	none	Score	257
Exons	25219..25482, 25250..25483, 25323..25484, 25677..25850, 25683..25844, 25720..25851, 25771..25851, 25938..26054, 25939..26055, 25939..26064, 25940..26056, 26364..26525, 26364..26537, 26368..26550, 26756..26869, 26757..26870, 26758..26871, 26759..26872		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-

Start	31296	End	31388
Name	OJ991014_01.0111.C15.o4.tw	Method	TBLASTX:Wheat
Start	26370	End	26799
GI	none	Score	119
Exons	26370..26537, 26374..26526, 26758..26799		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o3.tw	Method	TBLASTX:Wheat
Start	26800	End	27731
GI	none	Score	151
Exons	26800..26901, 26802..26903, 26802..26906, 27098..27226, 27099..27224, 27607..27717, 27618..27719, 27639..27731		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o6.tm	Method	TBLASTX:Maize
Start	27098	End	27857
GI	none	Score	191
Exons	27098..27226, 27099..27224, 27101..27226, 27618..27857, 27639..27857		

Seq. No.	23916	Seq. ID	OJ991014_01.0111.C15
Gene No.	49891	Strand	-
Start	31296	End	31388
Name	OJ991014_01.0111.C15.o6.np	Method	AAT/NAP
Start	31296	End	31388
GI	6630699	Score	96
Exons	31296..31388		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	23917	Seq. ID	OJ991014_02.0110.C1
Gene No.	49892	Strand	+
Start	9	End	352
Name	OJ991014_02.0110.C1.o1.gp	Method	AAT/GAP
Start	9	End	352
GI	2424_1.R1084	Score	642
Exons	9..352		
GI Descrip.	'4006895/emb|CAB16825.1| 5.0e-24 (Z99708) putative protein [Arabidopsis thaliana]'		

Seq. No.	23918	Seq. ID	OJ991014_02.0110.C5
Gene No.	49893	Strand	+
Start	373	End	530
Name	OJ991014_02.0110.C5.o1.gs	Method	GENSCAN
Start	373	End	530
GI	none	Score	.98
Exons	373..530		

Seq. No.	23919	Seq. ID	OJ991014_02.0110.C6
Gene No.	49894	Strand	-
Start	1	End	609
Name	OJ991014_02.0110.C6.o1.gp	Method	AAT/GAP

Start	1	End	453
GI	2431280	Score	461
Exons	1..168, 259..322, 415..453		

Seq. No.	23919	Seq. ID	OJ991014_02.0110.C6
Gene No.	49894	Strand	-
Start	1	End	609
Name	OJ991014_02.0110.C6.o1.gs	Method	GENSCAN
Start	28	End	609
GI	none	Score	.99
Exons	28..168, 259..322, 415..446, 527..609		

Seq. No.	23919	Seq. ID	OJ991014_02.0110.C6
Gene No.	49894	Strand	-
Start	1	End	609
Name	OJ991014_02.0110.C6.o1.tm	Method	TBLASTX:Maize
Start	30	End	165
GI	none	Score	137
Exons	30..161, 46..165, 47..163		

Seq. No.	23919	Seq. ID	OJ991014_02.0110.C6
Gene No.	49894	Strand	-
Start	1	End	609
Name	OJ991014_02.0110.C6.o1.ts	Method	TBLASTX:Soybean
Start	46	End	297
GI	none	Score	104
Exons	46..168, 47..169, 54..170, 259..297		

Seq. No.	23919	Seq. ID	OJ991014_02.0110.C6
Gene No.	49894	Strand	-
Start	1	End	609
Name	OJ991014_02.0110.C6.o1.tc	Method	TBLASTX:Cress
Start	130	End	593
GI	none	Score	74
Exons	130..168, 131..169, 228..323, 259..324, 260..331, 382..447, 414..446, 527..592, 537..593		

Seq. No.	23920	Seq. ID	OJ991014_02.0110.C7
Gene No.	49895	Strand	-
Start	1	End	776
Name	OJ991014_02.0110.C7.o1.gp	Method	AAT/GAP
Start	1	End	392
GI	2317538	Score	769
Exons	1..392		
GI Descrip.	2129549/pir||S71198 9.0e-18 calcium-dependent protein kinase (EC 2.7.1.-) CDPK19 - Arabidopsis thaliana >gi_2129551_pir__S71778 calcium-dependent protein kinase 19 - Arabidopsis thaliana >gi_836942 (U20624) calcium-dependent protein kinase [Arabidopsis thaliana] >gi_836948 (U20627) calcium-dependent protein kinase [Arabidopsis thaliana]		

Seq. No.	23920	Seq. ID	OJ991014_02.0110.C7
Gene No.	49895	Strand	-
Start	1	End	776
Name	OJ991014_02.0110.C7.o1.tc	Method	TBLASTX:Cress
Start	230	End	775
GI	none	Score	100

Exons	230..400, 248..388, 249..434, 548..775, 550..774		
Seq. No.	23920	Seq. ID	OJ991014_02.0110.C7
Gene No.	49895	Strand	-
Start	1	End	776
Name	OJ991014_02.0110.C7.o1.gs	Method	GENSCAN
Start	233	End	715
GI	none	Score	.94
Exons	233..385, 550..715		
Seq. No.	23920	Seq. ID	OJ991014_02.0110.C7
Gene No.	49895	Strand	-
Start	1	End	776
Name	OJ991014_02.0110.C7.o1.np	Method	AAT/NAP
Start	236	End	776
GI	2129549	Score	446
Exons	236..385, 550..776		
GI Descrip.	calcium-dependent protein kinase (EC 2.7.1.-) CDPK19 - Arabidopsis thaliana gi|2129551|pir||S71778 calcium-dependent protein kinase 19 - Arabidopsis thaliana gi|836942 (U20624) calcium-dependent protein kinase [Arabidopsis thaliana] gi|836948 (U20627) calcium-dependent protein kinase [Arabidopsis thaliana]		
Seq. No.	23920	Seq. ID	OJ991014_02.0110.C7
Gene No.	49895	Strand	-
Start	1	End	776
Name	OJ991014_02.0110.C7.o1.ts	Method	TBLASTX:Soybean
Start	248	End	775
GI	none	Score	100
Exons	248..388, 248..388, 252..413, 252..401, 295..411, 548..775, 550..774		
Seq. No.	23920	Seq. ID	OJ991014_02.0110.C7
Gene No.	49895	Strand	-
Start	1	End	776
Name	OJ991014_02.0110.C7.o1.tm	Method	TBLASTX:Maize
Start	324	End	774
GI	none	Score	90
Exons	324..386, 324..386, 326..388, 326..388, 548..772, 549..728, 550..774, 550..774		
Seq. No.	23921	Seq. ID	OJ991014_02.0110.C8
Gene No.	49896	Strand	+
Start	135	End	776
Name	OJ991014_02.0110.C8.o2.tc	Method	TBLASTX:Cress
Start	125	End	437
GI	none	Score	136
Exons	125..226, 126..281, 288..437, 288..437		
Seq. No.	23921	Seq. ID	OJ991014_02.0110.C8
Gene No.	49896	Strand	+
Start	135	End	776
Name	OJ991014_02.0110.C8.o1.np	Method	AAT/NAP
Start	135	End	776
GI	4835788	Score	614
Exons	135..776		

GI Descrip.	(AC007296) Strong similarity to gb|U74319 obtusifoliol 14-alpha demethylase (CYP51) from Sorghum bicolor and is a member of the PF|00067 cytochrome P450 family. ESTs gb|AA72030, gb|N65031 and gb|AA651059 come from ...		
Seq. No.	23921	Seq. ID	OJ991014_02.0110.C8
Gene No.	49896	Strand	+
Start	135	End	776
Name	OJ991014_02.0110.C8.o1.ts	Method	TBLASTX:Soybean
Start	135	End	776
GI	none	Score	63
Exons	135..197, 204..281, 320..652,	321..776,	633..773
Seq. No.	23921	Seq. ID	OJ991014_02.0110.C8
Gene No.	49896	Strand	+
Start	135	End	776
Name	OJ991014_02.0110.C8.o1.tm	Method	TBLASTX:Maize
Start	135	End	773
GI	none	Score	137
Exons	135..281, 137..259, 321..773,	335..460,	533..772
Seq. No.	23921	Seq. ID	OJ991014_02.0110.C8
Gene No.	49896	Strand	+
Start	135	End	776
Name	OJ991014_02.0110.C8.o1.tc	Method	TBLASTX:Cress
Start	501	End	776
GI	none	Score	283
Exons	501..776, 540..773		
Seq. No.	23922	Seq. ID	OJ991014_02.0110.C9
Gene No.	49897	Strand	+
Start	131	End	1244
Name	OJ991014_02.0110.C9.o1.gs	Method	GENSCAN
Start	131	End	1244
GI	none	Score	.41
Exons	131..135, 763..1244		
Seq. No.	23923	Seq. ID	OJ991014_02.0110.C12
Gene No.	49898	Strand	-
Start	1	End	332
Name	OJ991014_02.0110.C12.o1.np	Method	AAT/NAP
Start	1	End	332
GI	4914320	Score	253
Exons	1..332		
GI Descrip.	(AC005489) F14N23.6 [Arabidopsis thaliana]		
Seq. No.	23923	Seq. ID	OJ991014_02.0110.C12
Gene No.	49898	Strand	-
Start	1	End	332
Name	OJ991014_02.0110.C12.o1.gs	Method	GENSCAN
Start	42	End	284
GI	none	Score	.84
Exons	42..284		
Seq. No.	23924	Seq. ID	OJ991014_02.0110.C14
Gene No.	49899	Strand	-
Start	188	End	667

Name	OJ991014_02.0110.C14.o1.np	Method	AAT/NAP
Start	188	End	667
GI	6862950	Score	213
Exons	188..264, 378..667		
GI Descrip.	(AC019018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23924	Seq. ID	OJ991014_02.0110.C14
Gene No.	49899	Strand	-
Start	188	End	667
Name	OJ991014_02.0110.C14.o1.gs	Method	GENSCAN
Start	387	End	582
GI	none	Score	.42
Exons	387..582		

Seq. No.	23925	Seq. ID	OJ991014_02.0110.C15
Gene No.	49900	Strand	-
Start	461	End	676
Name	OJ991014_02.0110.C15.o1.gs	Method	GENSCAN
Start	461	End	676
GI	none	Score	.81
Exons	461..676		

Seq. No.	23926	Seq. ID	OJ991014_02.0110.C16
Gene No.	49901	Strand	+
Start	103	End	461
Name	OJ991014_02.0110.C16.o1.gp	Method	AAT/GAP
Start	103	End	461
GI	uC-osflcyp085b05a1	Score	475
Exons	103..216, 308..461		
GI Descrip.	'3176723 7.0e-10 (AC002392) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	23926	Seq. ID	OJ991014_02.0110.C16
Gene No.	49901	Strand	+
Start	103	End	461
Name	OJ991014_02.0110.C16.o1.gs	Method	GENSCAN
Start	117	End	461
GI	none	Score	.64
Exons	117..216, 308..461		

Seq. No.	23927	Seq. ID	OJ991014_02.0110.C18
Gene No.	49902	Strand	-
Start	364	End	1605
Name	OJ991014_02.0110.C18.o1.gs	Method	GENSCAN
Start	364	End	1605
GI	none	Score	.82
Exons	364..497, 668..898, 1532..1605		

Seq. No.	23928	Seq. ID	OJ991014_02.0110.C21
Gene No.	49903	Strand	+
Start	48	End	125
Name	OJ991014_02.0110.C21.o1.gs	Method	GENSCAN
Start	48	End	125
GI	none	Score	.8
Exons	48..125		

Seq. No.	23928	Seq. ID	OJ991014_02.0110.C21

Gene No.	49904	Strand	-
Start	132	End	639
Name	OJ991014_02.0110.C21.o1.gp	Method	AAT/GAP
Start	132	End	639
GI	5003489	Score	914
Exons	132..639		
GI Descrip.	5738362/emb|CAB52870.1| 2.0e-18 (AL021637) putative protein [Arabidopsis thaliana]		

Seq. No.	23928	Seq. ID	OJ991014_02.0110.C21
Gene No.	49904	Strand	-
Start	132	End	639
Name	OJ991014_02.0110.C21.o1.tm	Method	TBLASTX:Maize
Start	133	End	639
GI	none	Score	41
Exons	133..180, 269..349, 385..438, 443..637, 449..637, 451..639	385..438, 418..636, 420..521,	

Seq. No.	23929	Seq. ID	OJ991014_02.0110.C22
Gene No.	49905	Strand	-
Start	20	End	190
Name	OJ991014_02.0110.C22.o1.gs	Method	GENSCAN
Start	20	End	190
GI	none	Score	.67
Exons	20..190		

Seq. No.	23930	Seq. ID	OJ991014_02.0110.C23
Gene No.	49906	Strand	+
Start	1	End	548
Name	OJ991014_02.0110.C23.o1.np	Method	AAT/NAP
Start	1	End	548
GI	6630685	Score	612
Exons	1..548		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	23930	Seq. ID	OJ991014_02.0110.C23
Gene No.	49906	Strand	+
Start	1	End	548
Name	OJ991014_02.0110.C23.o1.tm	Method	TBLASTX:Maize
Start	10	End	547
GI	none	Score	391
Exons	10..99, 11..388, 20..358, 133..390, 388..546, 389..547		

Seq. No.	23930	Seq. ID	OJ991014_02.0110.C23
Gene No.	49906	Strand	+
Start	1	End	548
Name	OJ991014_02.0110.C23.o1.gs	Method	GENSCAN
Start	125	End	350
GI	none	Score	.65
Exons	125..350		

Seq. No.	23930	Seq. ID	OJ991014_02.0110.C23
Gene No.	49906	Strand	+
Start	1	End	548
Name	OJ991014_02.0110.C23.o1.tw	Method	TBLASTX:Wheat
Start	151	End	316

GI	none	Score	212
Exons	151..300, 152..316, 155..313		

Seq. No.	23931	Seq. ID	OJ991014_02.0110.C25
Gene No.	49907	Strand	-
Start	1	End	71
Name	OJ991014_02.0110.C25.o1.np	Method	AAT/NAP
Start	1	End	71
GI	4587989	Score	102
Exons	1..71		
GI Descrip.	(AF085279) hypothetical Cys-3-His zinc finger protein [Arabidopsis thaliana] gi|6598933|gb|AAF18728.1|AC018721_3 (AC018721) putative CCCH-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	23932	Seq. ID	OJ991014_02.0110.C31
Gene No.	49908	Strand	-
Start	308	End	430
Name	OJ991014_02.0110.C31.o1.gs	Method	GENSCAN
Start	308	End	430
GI	none	Score	.53
Exons	308..430		

Seq. No.	23933	Seq. ID	OJ991014_02.0110.C32
Gene No.	49909	Strand	+
Start	1	End	555
Name	OJ991014_02.0110.C32.o1.np	Method	AAT/NAP
Start	1	End	555
GI	6815099	Score	86
Exons	1..20, 403..555		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	23934	Seq. ID	OJ991014_02.0110.C35
Gene No.	49910	Strand	-
Start	1	End	590
Name	OJ991014_02.0110.C35.o1.np	Method	AAT/NAP
Start	1	End	590
GI	5738362	Score	184
Exons	1..29, 395..590		
GI Descrip.	(AL021637) putative protein [Arabidopsis thaliana]		

Seq. No.	23934	Seq. ID	OJ991014_02.0110.C35
Gene No.	49910	Strand	-
Start	1	End	590
Name	OJ991014_02.0110.C35.o1.tm	Method	TBLASTX:Maize
Start	403	End	590
GI	none	Score	174
Exons	403..588, 406..588, 414..590		

Seq. No.	23934	Seq. ID	OJ991014_02.0110.C35
Gene No.	49910	Strand	-
Start	1	End	590
Name	OJ991014_02.0110.C35.o1.gp	Method	AAT/GAP
Start	418	End	590
GI	31792_1.R1084	Score	327
Exons	418..590		
GI Descrip.	'2129549/pir||S71198 9.0e-18 calcium-dependent protein kinase		

(EC 2.7.1.-) CDPK19 - Arabidopsis thaliana >gi_2129551_pir__S71778 calcium-dependent protein kinase 19 - Arabidopsis thaliana >gi_836942 (U20624) calcium-dependent protein kinase [Arabidopsis thaliana] >gi_836948 (U20627) calcium-dependent protein kinase [Arabidopsis thaliana]'

Seq. No.	23934	Seq. ID	OJ991014_02.0110.C35
Gene No.	49910	Strand	-
Start	1	End	590
Name	OJ991014_02.0110.C35.o1.gs	Method	GENSCAN
Start	418	End	563
GI	none	Score	.97
Exons	418..563		

Seq. No.	23935	Seq. ID	OJ991014_02.0110.C36
Gene No.	49911	Strand	-
Start	1	End	535
Name	OJ991014_02.0110.C36.o1.np	Method	AAT/NAP
Start	1	End	535
GI	6630685	Score	747
Exons	1..535		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	23935	Seq. ID	OJ991014_02.0110.C36
Gene No.	49911	Strand	-
Start	1	End	535
Name	OJ991014_02.0110.C36.o1.tm	Method	TBLASTX:Maize
Start	1	End	492
GI	none	Score	51
Exons	1..72, 14..70, 66..491, 67..492		

Seq. No.	23935	Seq. ID	OJ991014_02.0110.C36
Gene No.	49911	Strand	-
Start	1	End	535
Name	OJ991014_02.0110.C36.o1.ts	Method	TBLASTX:Soybean
Start	13	End	491
GI	none	Score	84
Exons	13..75, 129..491, 139..303		

Seq. No.	23935	Seq. ID	OJ991014_02.0110.C36
Gene No.	49911	Strand	-
Start	1	End	535
Name	OJ991014_02.0110.C36.o1.gs	Method	GENSCAN
Start	39	End	482
GI	none	Score	.43
Exons	39..482		

Seq. No.	23936	Seq. ID	OJ991014_02.0110.C38
Gene No.	49912	Strand	-
Start	69	End	292
Name	OJ991014_02.0110.C38.o1.gp	Method	AAT/GAP
Start	69	End	292
GI	2428329	Score	373
Exons	69..292		

Seq. No.	23936	Seq. ID	OJ991014_02.0110.C38

Gene No.	49912	Strand	-
Start	69	End	292
Name	OJ991014_02.0110.C38.o1.gs	Method	GENSCAN
Start	71	End	135
GI	none	Score	.8
Exons	71..135		

Seq. No.	23937	Seq. ID	OJ991014_02.0110.C42
Gene No.	49913	Strand	+
Start	1036	End	1346
Name	OJ991014_02.0110.C42.o1.gp	Method	AAT/GAP
Start	1036	End	1346
GI	72524_1.R1084	Score	406
Exons	1036..1346		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49914	Strand	+
Start	7209	End	11500
Name	OJ991014_02.0110.C43.o2.gs	Method	GENSCAN
Start	7209	End	11489
GI	none	Score	.91
Exons	7209..11489		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49914	Strand	+
Start	7209	End	11500
Name	OJ991014_02.0110.C43.o1.np	Method	AAT/NAP
Start	7242	End	11500
GI	5295971	Score	3379
Exons	7242..11500		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49915	Strand	+
Start	12036	End	14399
Name	OJ991014_02.0110.C43.o2.gp	Method	AAT/GAP
Start	11835	End	11941
GI	uC-osrocyp037e07a1	Score	187
Exons	11835..11941		
GI Descrip.	'3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]'		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49915	Strand	+
Start	12036	End	14399
Name	OJ991014_02.0110.C43.o3.gs	Method	GENSCAN
Start	12036	End	14399
GI	none	Score	.57
Exons	12036..12801, 14248..14399		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49916	Strand	+

Start	24939	End	29638
Name	OJ991014_02.0110.C43.o5.np	Method	AAT/NAP
Start	24937	End	29176
GI	4680207	Score	1259
Exons	24937..25788, 25987..27675, 29158..29176		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49916	Strand	+
Start	24939	End	29638
Name	OJ991014_02.0110.C43.o5.gs	Method	GENSCAN
Start	24939	End	27730
GI	none	Score	.88
Exons	24939..25548, 25710..25788, 25906..26186, 26394..27730		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49916	Strand	+
Start	24939	End	29638
Name	OJ991014_02.0110.C43.o6.np	Method	AAT/NAP
Start	26699	End	27165
GI	1469876	Score	55
Exons	26699..27165		
GI Descrip.	(D63481) The KIAA0147 gene product is related to adenylyl cyclase. [Homo sapiens]		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49916	Strand	+
Start	24939	End	29638
Name	OJ991014_02.0110.C43.o6.gs	Method	GENSCAN
Start	28443	End	29638
GI	none	Score	.88
Exons	28443..28544, 29459..29638		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49917	Strand	+
Start	41350	End	46360
Name	OJ991014_02.0110.C43.o8.np	Method	AAT/NAP
Start	41350	End	46360
GI	6069646	Score	876
Exons	41350..41373, 44301..45098, 45387..46360		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49918	Strand	+
Start	62855	End	62995
Name	OJ991014_02.0110.C43.o3.gp	Method	AAT/GAP
Start	62855	End	62995
GI	LIB3477-003-P1-K1-E9	Score	159
Exons	62855..62995		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49919	Strand	+
Start	65400	End	65981
Name	OJ991014_02.0110.C43.o12.gs	Method	GENSCAN
Start	65400	End	65981
GI	none	Score	.89
Exons	65400..65981		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49920	Strand	-
Start	402	End	3942
Name	OJ991014_02.0110.C43.o1.gs	Method	GENSCAN
Start	402	End	3942
GI	none	Score	.52
Exons	402..580, 995..2774, 3060..3241, 3912..3942		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49921	Strand	-
Start	7072	End	7173
Name	OJ991014_02.0110.C43.o1.gp	Method	AAT/GAP
Start	7072	End	7173
GI	uC-osrocyp037e07a1	Score	187
Exons	7072..7173		
GI Descrip.	'3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]'		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49922	Strand	-
Start	17415	End	20924
Name	OJ991014_02.0110.C43.o2.np	Method	AAT/NAP
Start	17415	End	20924
GI	6520171	Score	115
Exons	17415..17544, 18041..18381, 18878..19065, 20846..20924		
GI Descrip.	(AB028202) PRM1 homolog [Arabidopsis thaliana]		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49922	Strand	-
Start	17415	End	20924
Name	OJ991014_02.0110.C43.o4.np	Method	AAT/NAP
Start	19964	End	20284
GI	4587242	Score	243
Exons	19964..20284		
GI Descrip.	(AB022165) A320-4 [Oryza sativa]		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49923	Strand	-
Start	32036	End	36471
Name	OJ991014_02.0110.C43.o7.gs	Method	GENSCAN
Start	32036	End	36471
GI	none	Score	.89
Exons	32036..32101, 33472..36471		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49923	Strand	-
Start	32036	End	36471

Name	OJ991014_02.0110.C43.o7.np	Method	AAT/NAP
Start	35173	End	35832
GI	1708710	Score	352
Exons	35173..35832		
GI Descrip.	(U60069) 11.pep [Solanum tuberosum]		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49924	Strand	-
Start	37594	End	39384
Name	OJ991014_02.0110.C43.o8.gs	Method	GENSCAN
Start	37594	End	39384
GI	none	Score	.8
Exons	37594..37800, 38266..38511, 38550..38640, 38718..39033, 39297..39384		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49925	Strand	-
Start	47316	End	60872
Name	OJ991014_02.0110.C43.o10.gs	Method	GENSCAN
Start	47316	End	58201
GI	none	Score	.54
Exons	47316..47326, 47690..47812, 47871..48207, 48557..48646, 49130..49179, 49504..49784, 50563..50623, 50842..50932, 52263..52551, 52634..52804, 52883..53769, 53857..54303, 54382..54606, 54682..55045, 55748..55846, 55868..56215, 57207..58092, 58189..58201		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49925	Strand	-
Start	47316	End	60872
Name	OJ991014_02.0110.C43.o9.np	Method	AAT/NAP
Start	51960	End	60702
GI	4680204	Score	125
Exons	51960..52141, 56012..56207, 60664..60702		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49925	Strand	-
Start	47316	End	60872
Name	OJ991014_02.0110.C43.o10.np	Method	AAT/NAP
Start	57034	End	59343
GI	4680203	Score	650
Exons	57034..58092, 59302..59343		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49925	Strand	-
Start	47316	End	60872
Name	OJ991014_02.0110.C43.o11.gs	Method	GENSCAN
Start	59880	End	60872
GI	none	Score	.74
Exons	59880..60872		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o5.tc	Method	TBLASTX:Cress

Start 711 End 35925
GI none Score 66
Exons 711..878, 1362..1496, 1362..1496, 1519..1623, 1530..1625,
1845..1883, 1977..2099, 18031..18171, 18941..19045,
19550..19687, 19727..19825, 20045..20083, 20177..20299,
25443..25502, 25550..25603, 25610..25771, 25880..26023,
26147..26248, 26164..26232, 26294..26446, 26320..26445,
26465..26638, 34495..34659, 35146..35289, 35195..35266,
35300..35386, 35311..35430, 35650..35925

Seq. No. 23938 Seq. ID OJ991014_02.0110.C43
Gene No. 49926 Strand -
Start 65865 End 71693
Name OJ991014_02.0110.C43.o6.tw Method TBLASTX:Wheat
Start 1152 End 26869
GI none Score 204
Exons 1152..1208, 1263..1388, 19385..19468, 19463..19585,
26416..26643, 26420..26647, 26675..26869, 26677..26850

Seq. No. 23938 Seq. ID OJ991014_02.0110.C43
Gene No. 49926 Strand -
Start 65865 End 71693
Name OJ991014_02.0110.C43.o7.tm Method TBLASTX:Maize
Start 1332 End 35475
GI none Score 85
Exons 1332..1499, 1554..1625, 19529..19696, 19751..19834,
26116..26232, 26153..26233, 26245..26280, 26249..26281,
26299..26451, 26300..26452, 26321..26452, 26468..26635,
26473..26631, 35119..35265, 35347..35475

Seq. No. 23938 Seq. ID OJ991014_02.0110.C43
Gene No. 49926 Strand -
Start 65865 End 71693
Name OJ991014_02.0110.C43.o4.ts Method TBLASTX:Soybean
Start 1338 End 35424
GI none Score 38
Exons 1338..1481, 19535..19678, 19751..19822, 25958..26002,
25963..26004, 25985..26134, 26122..26490, 26135..26461,
26453..26626, 26477..26602, 26861..26989, 26890..27036,
35053..35280, 35335..35424

Seq. No. 23938 Seq. ID OJ991014_02.0110.C43
Gene No. 49926 Strand -
Start 65865 End 71693
Name OJ991014_02.0110.C43.o11.tw Method TBLASTX:Wheat
Start 1401 End 35265
GI none Score 203
Exons 1401..1538, 19598..19732, 26134..26415, 26135..26410,
35149..35265

Seq. No. 23938 Seq. ID OJ991014_02.0110.C43
Gene No. 49926 Strand -
Start 65865 End 71693
Name OJ991014 02.0110.C43.o8.ts Method TBLASTX:Soybean
Start 1569 End 35865
GI none Score 91
Exons 1569..1652, 1731..1931, 1732..1890, 1881..2024, 1951..2085,

2012..2083, 2019..2084, 19931..20131, 19932..20090,
20081..20224, 20219..20284, 35527..35688, 35528..35671,
35683..35796, 35803..35865

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o8.tm	Method	TBLASTX:Maize
Start	1944	End	60821
GI	none	Score	117
Exons	1944..2234, 1981..2106, 1982..2239, 20144..20479, 20174..20308, 20181..20435, 25553..25603, 35680..35739, 35740..35970, 35746..35967, 35878..36009, 36041..36103, 60645..60821		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o12.tm	Method	TBLASTX:Maize
Start	4167	End	45653
GI	none	Score	137
Exons	4167..4310, 4175..4309, 4323..4400, 45384..45563, 45576..45653		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o9.tw	Method	TBLASTX:Wheat
Start	7479	End	7859
GI	none	Score	209
Exons	7479..7859		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o14.tm	Method	TBLASTX:Maize
Start	7554	End	7865
GI	none	Score	223
Exons	7554..7865		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o6.tm	Method	TBLASTX:Maize
Start	8372	End	8780
GI	none	Score	320
Exons	8372..8674, 8373..8780, 8741..8776		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o4.tw	Method	TBLASTX:Wheat
Start	8394	End	8846
GI	none	Score	259
Exons	8394..8759, 8408..8761, 8760..8846		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693

Name	OJ991014_02.0110.C43.o6.ts	Method	TBLASTX:Soybean
Start	8784	End	9113
GI	none	Score	240
Exons	8784..9113, 8880..8960		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o1.tw	Method	TBLASTX:Wheat
Start	8919	End	9479
GI	none	Score	338
Exons	8919..9380, 8945..9373, 9390..9479		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o1.tm	Method	TBLASTX:Maize
Start	9122	End	9551
GI	none	Score	464
Exons	9122..9451, 9126..9467, 9469..9546, 9480..9551		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o3.tc	Method	TBLASTX:Cress
Start	9144	End	9611
GI	none	Score	264
Exons	9144..9611		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o2.ts	Method	TBLASTX:Soybean
Start	9153	End	9629
GI	none	Score	448
Exons	9153..9629, 9158..9499, 9189..9629		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o1.ts	Method	TBLASTX:Soybean
Start	9932	End	10448
GI	5509260	Score	452
Exons	9932..10426, 9948..10448		
GI Descrip.	-		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o4.tm	Method	TBLASTX:Maize
Start	9974	End	10295
GI	none	Score	424
Exons	9974..10294, 9975..10295, 10017..10295		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693

Name	OJ991014_02.0110.C43.o2.tw	Method	TBLASTX:Wheat
Start	9978	End	10439
GI	none	Score	66
Exons	9978..10058, 10038..10433, 10089..10439		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o2.tc	Method	TBLASTX:Cress
Start	10070	End	10334
GI	none	Score	273
Exons	10070..10306, 10071..10334, 10086..10325		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o10.tm	Method	TBLASTX:Maize
Start	10296	End	10691
GI	none	Score	244
Exons	10296..10691, 10328..10426		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o10.tw	Method	TBLASTX:Wheat
Start	10623	End	10976
GI	none	Score	92
Exons	10623..10790, 10803..10976		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o3.tm	Method	TBLASTX:Maize
Start	10764	End	11219
GI	none	Score	238
Exons	10764..10991, 10764..10958, 10769..10996, 10799..10975, 11004..11219, 11004..11138, 11042..11197		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o1.tc	Method	TBLASTX:Cress
Start	10803	End	11468
GI	none	Score	160
Exons	10803..10976, 10998..11099, 11103..11219, 11217..11468, 11243..11428		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o3.ts	Method	TBLASTX:Soybean
Start	10827	End	11465
GI	none	Score	133
Exons	10827..10955, 10995..11465, 11039..11185, 11288..11419		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-

Start	65865	End	71693
Name	OJ991014_02.0110.C43.o7.tw	Method	TBLASTX:Wheat
Start	11004	End	11438
GI	none	Score	161
Exons	11004..11222, 11045..11197, 11237..11431, 11259..11438		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o11.tm	Method	TBLASTX:Maize
Start	11220	End	11465
GI	none	Score	237
Exons	11220..11465, 11225..11320, 11387..11464		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o16.tm	Method	TBLASTX:Maize
Start	17476	End	17733
GI	none	Score	216
Exons	17476..17733		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o12.tw	Method	TBLASTX:Wheat
Start	17674	End	17910
GI	none	Score	73
Exons	17674..17910, 17813..17905		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o13.tm	Method	TBLASTX:Maize
Start	43217	End	43504
GI	none	Score	173
Exons	43217..43381, 43385..43504		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o9.tm	Method	TBLASTX:Maize
Start	43702	End	70108
GI	none	Score	252
Exons	43702..44040, 43703..44050, 70019..70108		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o5.tm	Method	TBLASTX:Maize
Start	44286	End	69679
GI	none	Score	343
Exons	44286..44636, 69269..69433, 69449..69679		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693

Name	OJ991014_02.0110.C43.o8.tw	Method	TBLASTX:Wheat
Start	44304	End	69736
GI	none	Score	142
Exons	44304..44546, 44562..44639, 69338..69415, 69455..69736		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o2.tm	Method	TBLASTX:Maize
Start	44636	End	45323
GI	none	Score	177
Exons	44636..44791, 44637..44819, 44870..45241, 44877..45323		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o5.tw	Method	TBLASTX:Wheat
Start	44961	End	45404
GI	none	Score	236
Exons	44961..45257, 44963..45250, 45279..45326, 45330..45404		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o18.tm	Method	TBLASTX:Maize
Start	45792	End	46262
GI	none	Score	151
Exons	45792..46091, 46140..46262		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o15.tm	Method	TBLASTX:Maize
Start	48140	End	48372
GI	none	Score	53
Exons	48140..48220, 48155..48220, 48166..48231, 48166..48222, 48224..48370, 48225..48371, 48226..48372, 48270..48371		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o7.ts	Method	TBLASTX:Soybean
Start	57033	End	57295
GI	none	Score	111
Exons	57033..57272, 57035..57295, 57050..57274		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o4.tc	Method	TBLASTX:Cress
Start	57035	End	57298
GI	none	Score	59
Exons	57035..57298, 57048..57104, 57144..57272		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693

Name	OJ991014_02.0110.C43.o3.tw	Method	TBLASTX:Wheat
Start	57047	End	57733
GI	none	Score	78
Exons	57047..57172, 57174..57269, 57191..57304, 57191..57298, 57289..57405, 57311..57394, 57395..57733, 57396..57500, 57585..57644		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o5.ts	Method	TBLASTX:Soybean
Start	57320	End	57661
GI	none	Score	153
Exons	57320..57394, 57395..57607, 57396..57608, 57411..57608, 57606..57656, 57614..57661		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o17.tm	Method	TBLASTX:Maize
Start	60150	End	60380
GI	none	Score	112
Exons	60150..60380, 60151..60369		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o11.np	Method	AAT/NAP
Start	65865	End	70821
GI	3746069	Score	537
Exons	65865..65892, 69132..70284, 70387..70821		
GI Descrip.	(AC005311) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	23938	Seq. ID	OJ991014_02.0110.C43
Gene No.	49926	Strand	-
Start	65865	End	71693
Name	OJ991014_02.0110.C43.o13.gs	Method	GENSCAN
Start	68383	End	71693
GI	none	Score	.48
Exons	68383..68559, 68637..68735, 69004..69094, 69234..69405, 69697..69789, 70096..70301, 70531..70628, 71532..71693		

Seq. No.	23939	Seq. ID	OJ991014_02.0110.C44
Gene No.	49927	Strand	+
Start	1	End	1146
Name	OJ991014_02.0110.C44.o1.np	Method	AAT/NAP
Start	1	End	1146
GI	5091513	Score	583
Exons	1..515, 1126..1146		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	23939	Seq. ID	OJ991014_02.0110.C44
Gene No.	49927	Strand	+
Start	1	End	1146
Name	OJ991014_02.0110.C44.o1.gs	Method	GENSCAN
Start	96	End	674

GI	none	Score	.8
Exons	96..674		

Seq. No.	23940	Seq. ID	OJ991014_02.0110.C45
Gene No.	49928	Strand	+
Start	196	End	1622
Name	OJ991014_02.0110.C45.o1.gs	Method	GENSCAN
Start	196	End	1622
GI	none	Score	.69
Exons	196..825, 1326..1622		

Seq. No.	23941	Seq. ID	OJ991014_02.0110.C46
Gene No.	49929	Strand	+
Start	1	End	533
Name	OJ991014_02.0110.C46.o1.np	Method	AAT/NAP
Start	1	End	533
GI	4587240	Score	82
Exons	1..26, 268..533		
GI Descrip.	(AB022164) A1.1-4 [Oryza sativa]		

Seq. No.	23942	Seq. ID	OJ991014_02.0110.C49
Gene No.	49930	Strand	+
Start	227	End	270
Name	OJ991014_02.0110.C49.o1.gs	Method	GENSCAN
Start	227	End	270
GI	none	Score	.63
Exons	227..270		

Seq. No.	23942	Seq. ID	OJ991014_02.0110.C49
Gene No.	49931	Strand	-
Start	1	End	473
Name	OJ991014_02.0110.C49.o1.np	Method	AAT/NAP
Start	1	End	473
GI	5091513	Score	80
Exons	1..268, 418..473		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	23943	Seq. ID	OJ991014_02.0110.C50
Gene No.	49932	Strand	+
Start	1	End	413
Name	OJ991014_02.0110.C50.o1.np	Method	AAT/NAP
Start	1	End	413
GI	5091512	Score	477
Exons	1..413		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	23943	Seq. ID	OJ991014_02.0110.C50
Gene No.	49933	Strand	-
Start	104	End	294
Name	OJ991014_02.0110.C50.o1.gs	Method	GENSCAN
Start	104	End	294
GI	none	Score	.76
Exons	104..294		

Seq. No.	23944	Seq. ID	OJ991014_02.0110.C52
Gene No.	49934	Strand	+

Start	313	End	988
Name	OJ991014_02.0110.C52.o1.np	Method	AAT/NAP
Start	313	End	988
GI	1871192	Score	206
Exons	313..988		
GI Descrip.	(U90439) putative CCCH-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	23944	Seq. ID	OJ991014_02.0110.C52
Gene No.	49934	Strand	+
Start	313	End	988
Name	OJ991014_02.0110.C52.o1.gs	Method	GENSCAN
Start	395	End	931
GI	none	Score	.94
Exons	395..658, 769..931		

Seq. No.	23944	Seq. ID	OJ991014_02.0110.C52
Gene No.	49934	Strand	+
Start	313	End	988
Name	OJ991014_02.0110.C52.o1.gp	Method	AAT/GAP
Start	779	End	988
GI	LIB3431-019-P1-K1-E3	Score	362
Exons	779..988		
GI Descrip.	'1871192 9.0e-26 (U90439) Cys3His zinc finger protein isolog [Arabidopsis thaliana]'		

Seq. No.	23945	Seq. ID	OJ991014_02.0110.C53
Gene No.	49935	Strand	-
Start	1	End	718
Name	OJ991014_02.0110.C53.o1.np	Method	AAT/NAP
Start	1	End	718
GI	3645898	Score	271
Exons	1..718		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	23945	Seq. ID	OJ991014_02.0110.C53
Gene No.	49935	Strand	-
Start	1	End	718
Name	OJ991014_02.0110.C53.o1.gs	Method	GENSCAN
Start	47	End	504
GI	none	Score	.4
Exons	47..504		

Seq. No.	23946	Seq. ID	OJ991014_02.0110.C61
Gene No.	49936	Strand	+
Start	258	End	643
Name	OJ991014_02.0110.C61.o1.gp	Method	AAT/GAP
Start	258	End	643
GI	2424_1.R1084	Score	732
Exons	258..643		
GI Descrip.	'4006895/emb|CAB16825.1| 5.0e-24 (Z99708) putative protein [Arabidopsis thaliana]'		

Seq. No.	23947	Seq. ID	OJ991014_02.0110.C63
Gene No.	49937	Strand	-
Start	1	End	1028

Name	OJ991014_02.0110.C63.o1.np	Method	AAT/NAP
Start	1	End	1028
GI	5921924	Score	170
Exons	1..22, 518..881, 915..1028		
GI Descrip.	CYTOCHROME P450 51 (CYPL1) (P450-L1A1) (OBTUSIFOLIOL 14-ALPHA DEMETHYLASE) gi|1658193 (U74319) obtusifoliol 14-alpha demethylase CYP51 [Sorghum bicolor]		

Seq. No.	23947	Seq. ID	OJ991014_02.0110.C63
Gene No.	49937	Strand	-
Start	1	End	1028
Name	OJ991014_02.0110.C63.o1.tc	Method	TBLASTX:Cress
Start	522	End	827
GI	none	Score	69
Exons	522..749, 598..750, 759..827, 763..825		

Seq. No.	23948	Seq. ID	OJ991014_02.0110.C64
Gene No.	49938	Strand	-
Start	3	End	155
Name	OJ991014_02.0110.C64.o1.gs	Method	GENSCAN
Start	3	End	155
GI	none	Score	.75
Exons	3..155		

Seq. No.	23949	Seq. ID	OJ991014_02.0110.C65
Gene No.	49939	Strand	+
Start	147	End	214
Name	OJ991014_02.0110.C65.o1.gp	Method	AAT/GAP
Start	147	End	214
GI	1631908	Score	136
Exons	147..214		

Seq. No.	23949	Seq. ID	OJ991014_02.0110.C65
Gene No.	49940	Strand	-
Start	24	End	66
Name	OJ991014_02.0110.C65.o1.gs	Method	GENSCAN
Start	24	End	66
GI	none	Score	.66
Exons	24..66		

Seq. No.	23950	Seq. ID	OJ991014_02.0110.C67
Gene No.	49941	Strand	+
Start	47	End	724
Name	OJ991014_02.0110.C67.o1.gs	Method	GENSCAN
Start	47	End	423
GI	none	Score	.75
Exons	47..184, 280..423		

Seq. No.	23950	Seq. ID	OJ991014_02.0110.C67
Gene No.	49941	Strand	+
Start	47	End	724
Name	OJ991014_02.0110.C67.o1.tm	Method	TBLASTX:Maize
Start	175	End	591
GI	none	Score	79
Exons	175..228, 178..228, 180..242, 526..591	234..548, 238..585, 244..447,	

Seq. No.	23950	Seq. ID	OJ991014_02.0110.C67
Gene No.	49941	Strand	+
Start	47	End	724
Name	OJ991014_02.0110.C67.o1.np	Method	AAT/NAP
Start	274	End	724
GI	3645899	Score	486
Exons	274..724		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	23951	Seq. ID	OJ991014_02.0110.C68
Gene No.	49942	Strand	+
Start	249	End	587
Name	OJ991014_02.0110.C68.o1.gs	Method	GENSCAN
Start	249	End	587
GI	none	Score	.73
Exons	249..314, 441..587		

Seq. No.	23952	Seq. ID	OJ991014_02.0110.C69
Gene No.	49943	Strand	+
Start	166	End	483
Name	OJ991014_02.0110.C69.o1.gs	Method	GENSCAN
Start	166	End	483
GI	none	Score	.75
Exons	166..483		

Seq. No.	23953	Seq. ID	OJ991014_02.0110.C70
Gene No.	49944	Strand	+
Start	1	End	1163
Name	OJ991014_02.0110.C70.o3.gp	Method	AAT/GAP
Start	1	End	1163
GI	LIB3477-003-P1-K1-E9	Score	162
Exons	1..44, 1106..1163		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	23954	Seq. ID	OJ990524_13.0103.C2
Gene No.	49945	Strand	+
Start	1035	End	5824
Name	OJ990524_13.0103.C2.o1.gs	Method	GENSCAN
Start	1035	End	5824
GI	none	Score	.78
Exons	1035..1194, 1342..1459, 4008..4111, 4300..4362, 4537..4803, 5313..5824		

Seq. No.	23954	Seq. ID	OJ990524_13.0103.C2
Gene No.	49946	Strand	+
Start	10308	End	11629
Name	OJ990524_13.0103.C2.o3.gs	Method	GENSCAN
Start	10308	End	11629
GI	none	Score	.79
Exons	10308..10394, 10827..11102, 11543..11629		

Seq. No.	23954	Seq. ID	OJ990524_13.0103.C2
Gene No.	49947	Strand	-
Start	6515	End	11544
Name	OJ990524_13.0103.C2.o2.gs	Method	GENSCAN

Start	6515	End	10056
GI	none	Score	.71
Exons	6515..6650, 7345..7468, 7599..8118, 9245..9366, 9630..10056		

Seq. No.	23954	Seq. ID	OJ990524_13.0103.C2
Gene No.	49947	Strand	-
Start	6515	End	11544
Name	OJ990524_13.0103.C2.o1.np	Method	AAT/NAP
Start	9266	End	11544
GI	2832664	Score	206
Exons	9266..9366, 9630..9812, 11493..11544		
GI Descrip.	(AL021710) pollen-specific protein - like [Arabidopsis thaliana]		

Seq. No.	23954	Seq. ID	OJ990524_13.0103.C2
Gene No.	49948	Strand	-
Start	15997	End	16079
Name	OJ990524_13.0103.C2.o4.gs	Method	GENSCAN
Start	15997	End	16079
GI	none	Score	.44
Exons	15997..16079		

Seq. No.	23955	Seq. ID	OJ990524_13.0103.C5
Gene No.	49949	Strand	+
Start	5604	End	12378
Name	OJ990524_13.0103.C5.o2.np	Method	AAT/NAP
Start	5604	End	12378
GI	6630699	Score	90
Exons	5604..5769, 6071..6138, 6979..7000, 12296..12378		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	23955	Seq. ID	OJ990524_13.0103.C5
Gene No.	49950	Strand	+
Start	12387	End	13092
Name	OJ990524_13.0103.C5.o3.gs	Method	GENSCAN
Start	12387	End	13092
GI	none	Score	.49
Exons	12387..12432, 12546..12714, 13001..13092		

Seq. No.	23955	Seq. ID	OJ990524_13.0103.C5
Gene No.	49950	Strand	+
Start	12387	End	13092
Name	OJ990524_13.0103.C5.o3.np	Method	AAT/NAP
Start	12513	End	12932
GI	6539570	Score	219
Exons	12513..12706, 12866..12932		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	23955	Seq. ID	OJ990524_13.0103.C5
Gene No.	49951	Strand	-
Start	1661	End	2904
Name	OJ990524_13.0103.C5.o1.gs	Method	GENSCAN
Start	1661	End	2904
GI	none	Score	.5
Exons	1661..1810, 2178..2252, 2282..2348, 2509..2626, 2869..2904		

Seq. No.	23955	Seq. ID	OJ990524_13.0103.C5
Gene No.	49952	Strand	-
Start	3632	End	6401
Name	OJ990524_13.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	3613	End	4480
GI	none	Score	94
Exons	3613..3675, 3616..3696, 3796..3888, 3796..3888, 4011..4049, 4012..4050, 4159..4209, 4167..4220, 4187..4213, 4214..4435, 4219..4425, 4277..4438, 4433..4465, 4442..4480		

Seq. No.	23955	Seq. ID	OJ990524_13.0103.C5
Gene No.	49952	Strand	-
Start	3632	End	6401
Name	OJ990524_13.0103.C5.o1.np	Method	AAT/NAP
Start	3632	End	6401
GI	5903104	Score	499
Exons	3632..3662, 3798..3901, 4126..5062, 5360..5456, 6362..6401		
GI Descrip.	(AC008017) Highly similar to non intermediate filament IFA binding protein [Arabidopsis thaliana] gi|6598866|gb|AAF18720.1|AC010556_16 (AC010556) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23955	Seq. ID	OJ990524_13.0103.C5
Gene No.	49952	Strand	-
Start	3632	End	6401
Name	OJ990524_13.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	4193	End	4522
GI	none	Score	71
Exons	4193..4522, 4234..4347, 4274..4504		

Seq. No.	23955	Seq. ID	OJ990524_13.0103.C5
Gene No.	49952	Strand	-
Start	3632	End	6401
Name	OJ990524_13.0103.C5.o2.tc	Method	TBLASTX:Cress
Start	4295	End	4522
GI	none	Score	114
Exons	4295..4510, 4295..4522		

Seq. No.	23955	Seq. ID	OJ990524_13.0103.C5
Gene No.	49952	Strand	-
Start	3632	End	6401
Name	OJ990524_13.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	4664	End	4964
GI	none	Score	243
Exons	4664..4960, 4665..4964		

Seq. No.	23955	Seq. ID	OJ990524_13.0103.C5
Gene No.	49952	Strand	-
Start	3632	End	6401
Name	OJ990524_13.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	4670	End	4960
GI	none	Score	113
Exons	4670..4879, 4743..4880, 4889..4960		

Seq. No.	23955	Seq. ID	OJ990524_13.0103.C5
Gene No.	49952	Strand	-
Start	3632	End	6401

Name	OJ990524_13.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	4724	End	4993
GI	none	Score	241
Exons	4724..4993, 4725..4955, 4841..4987		

Seq. No.	23955	Seq. ID	OJ990524_13.0103.C5
Gene No.	49952	Strand	-
Start	3632	End	6401
Name	OJ990524_13.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	4994	End	5290
GI	none	Score	307
Exons	4994..5287, 4998..5288, 5189..5290		

Seq. No.	23956	Seq. ID	OJ990524_13.0103.C6
Gene No.	49953	Strand	+
Start	2006	End	2083
Name	OJ990524_13.0103.C6.o2.np	Method	AAT/NAP
Start	2006	End	2083
GI	6630699	Score	62
Exons	2006..2083		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	23956	Seq. ID	OJ990524_13.0103.C6
Gene No.	49954	Strand	+
Start	2218	End	3676
Name	OJ990524_13.0103.C6.o3.np	Method	AAT/NAP
Start	2218	End	3676
GI	6539570	Score	198
Exons	2218..2411, 2571..2637, 3296..3676		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	23956	Seq. ID	OJ990524_13.0103.C6
Gene No.	49955	Strand	-
Start	10	End	1957
Name	OJ990524_13.0103.C6.o1.np	Method	AAT/NAP
Start	10	End	1944
GI	5922620	Score	247
Exons	10..230, 401..575, 872..1046, 1685..1709, 1755..1865, 1906..1944		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	23956	Seq. ID	OJ990524_13.0103.C6
Gene No.	49955	Strand	-
Start	10	End	1957
Name	OJ990524_13.0103.C6.o1.gs	Method	GENSCAN
Start	55	End	1957
GI	none	Score	.66
Exons	55..189, 236..429, 467..575, 1207..1370, 1685..1709, 1767..1865, 1883..1957		

Seq. No.	23956	Seq. ID	OJ990524_13.0103.C6
Gene No.	49956	Strand	-

Start	3358	End	3690
Name	OJ990524_13.0103.C6.o2.gs	Method	GENSCAN
Start	3358	End	3690
GI	none	Score	.94
Exons	3358..3690		

Seq. No.	23957	Seq. ID	OJ990524_13.0103.C7
Gene No.	49957	Strand	-
Start	1275	End	2898
Name	OJ990524_13.0103.C7.o1.np	Method	AAT/NAP
Start	213	End	617
GI	2462640	Score	496
Exons	213..617		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	23957	Seq. ID	OJ990524_13.0103.C7
Gene No.	49957	Strand	-
Start	1275	End	2898
Name	OJ990524_13.0103.C7.o1.gs	Method	GENSCAN
Start	1275	End	2898
GI	none	Score	.41
Exons	1275..1365, 2249..2323, 2383..2438, 2704..2898		

Seq. No.	23957	Seq. ID	OJ990524_13.0103.C7
Gene No.	49958	Strand	-
Start	3748	End	6275
Name	OJ990524_13.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	288	End	830
GI	none	Score	66
Exons	288..443, 426..674, 726..830		

Seq. No.	23957	Seq. ID	OJ990524_13.0103.C7
Gene No.	49958	Strand	-
Start	3748	End	6275
Name	OJ990524_13.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	1302	End	1687
GI	none	Score	95
Exons	1302..1439, 1442..1687, 1450..1638		

Seq. No.	23957	Seq. ID	OJ990524_13.0103.C7
Gene No.	49958	Strand	-
Start	3748	End	6275
Name	OJ990524_13.0103.C7.o2.gs	Method	GENSCAN
Start	3748	End	6275
GI	none	Score	.56
Exons	3748..3895, 3968..4020, 4718..4895, 6214..6275		

Seq. No.	23958	Seq. ID	OJ990524_13.0103.C9
Gene No.	49959	Strand	+
Start	158	End	406
Name	OJ990524_13.0103.C9.o1.gs	Method	GENSCAN
Start	158	End	406
GI	none	Score	.66
Exons	158..285, 391..406		

Seq. No.	23958	Seq. ID	OJ990524_13.0103.C9
Gene No.	49960	Strand	+

Start	2775	End	12845
Name	OJ990524_13.0103.C9.o3.gs	Method	GENSCAN
Start	2775	End	12845
GI	none	Score	.57
Exons	2775..2824, 3717..3837, 4606..4696, 4713..4896, 5641..5904, 6265..6342, 7314..7478, 7564..7604, 7856..7916, 8017..8199, 8303..8412, 8618..8790, 9661..9916, 11409..11528, 11701..11944, 12215..12320, 12420..12845		

Seq. No.	23958	Seq. ID	OJ990524_13.0103.C9
Gene No.	49960	Strand	+
Start	2775	End	12845
Name	OJ990524_13.0103.C9.o1.gp	Method	AAT/GAP
Start	4773	End	7401
GI	25490_1.R1084	Score	773
Exons	4773..4896, 5751..5904, 6265..6342, 7314..7401		
GI Descrip.	'3327957 8.0e-10 (AF060490) TLS-associated protein TASR-2 [Mus musculus] >gi_3327976 (AF067730) TLS-associated protein TASR-2 [Homo sapiens]'		

Seq. No.	23958	Seq. ID	OJ990524_13.0103.C9
Gene No.	49960	Strand	+
Start	2775	End	12845
Name	OJ990524_13.0103.C9.o1.np	Method	AAT/NAP
Start	5765	End	9577
GI	6572475	Score	342
Exons	5765..5904, 6265..6342, 7314..7478, 7824..7929, 8021..8116, 9307..9577		
GI Descrip.	(AF099940) Serine/arginine-rich protein [Arabidopsis thaliana]		

Seq. No.	23958	Seq. ID	OJ990524_13.0103.C9
Gene No.	49960	Strand	+
Start	2775	End	12845
Name	OJ990524_13.0103.C9.o2.gp	Method	AAT/GAP
Start	7392	End	8994
GI	none	Score	1406
Exons	7392..7478, 7564..7604, 7856..7916, 8017..8199, 8618..8994		

Seq. No.	23958	Seq. ID	OJ990524_13.0103.C9
Gene No.	49960	Strand	+
Start	2775	End	12845
Name	OJ990524_13.0103.C9.o3.gp	Method	AAT/GAP
Start	10097	End	10171
GI	uC-osf1M202068e11b1	Score	96
Exons	10097..10171		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 3.0e-60 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	23958	Seq. ID	OJ990524_13.0103.C9
Gene No.	49961	Strand	-
Start	773	End	1642
Name	OJ990524_13.0103.C9.o2.gs	Method	GENSCAN
Start	773	End	1642
GI	none	Score	.51
Exons	773..906, 1567..1642		

Seq. No.	23958	Seq. ID	OJ990524_13.0103.C9

Gene No.	49962	Strand	
Start	5852	End	8746
Name	OJ990524_13.0103.C9.o2.ts	Method	TBLASTX:Soybean
Start	5852	End	7606
GI	none	Score	65
Exons	5852..5905, 6260..6337, 6262..6342, 6263..6343, 7297..7467, 7314..7472, 7562..7606		

Seq. No.	23958	Seq. ID	OJ990524_13.0103.C9
Gene No.	49962	Strand	
Start	5852	End	8746
Name	OJ990524_13.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	6792	End	8746
GI	none	Score	65
Exons	6792..6848, 6793..6849, 6794..6850, 6813..6932, 6823..6906, 6828..6932, 6912..6992, 6929..6994, 6931..7014, 6991..7098, 7002..7052, 7022..7135, 7028..7153, 7104..7205, 7106..7219, 7138..7206, 7302..7463, 7312..7473, 7314..7478, 7315..7479, 7562..7606, 7969..8163, 8008..8151, 8015..8164, 8171..8200, 8175..8195, 8615..8746, 8618..8737		

Seq. No.	23958	Seq. ID	OJ990524_13.0103.C9
Gene No.	49963	Strand	
Start	11645	End	12998
Name	OJ990524_13.0103.C9.o2.tm	Method	TBLASTX:Maize
Start	11645	End	12218
GI	none	Score	399
Exons	11645..11905, 11646..12218, 11972..12199		

Seq. No.	23958	Seq. ID	OJ990524_13.0103.C9
Gene No.	49963	Strand	
Start	11645	End	12998
Name	OJ990524_13.0103.C9.o3.tw	Method	TBLASTX:Wheat
Start	11646	End	11993
GI	none	Score	105
Exons	11646..11768, 11648..11767, 11769..11921, 11786..11920, 11913..11993		

Seq. No.	23958	Seq. ID	OJ990524_13.0103.C9
Gene No.	49963	Strand	
Start	11645	End	12998
Name	OJ990524_13.0103.C9.o1.ts	Method	TBLASTX:Soybean
Start	11847	End	12347
GI	none	Score	194
Exons	11847..12203, 11981..12202, 12060..12302, 12192..12347		

Seq. No.	23958	Seq. ID	OJ990524_13.0103.C9
Gene No.	49963	Strand	
Start	11645	End	12998
Name	OJ990524_13.0103.C9.o1.tw	Method	TBLASTX:Wheat
Start	12108	End	12539
GI	none	Score	218
Exons	12108..12347, 12441..12539		

Seq. No.	23958	Seq. ID	OJ990524_13.0103.C9
Gene No.	49963	Strand	
Start	11645	End	12998

Name	OJ990524_13.0103.C9.o3.tm	Method	TBLASTX:Maize
Start	12438	End	12809
GI	none	Score	313
Exons	12438..12809, 12444..12638		

Seq. No.	23958	Seq. ID	OJ990524_13.0103.C9
Gene No.	49963	Strand	
Start	11645	End	12998
Name	OJ990524_13.0103.C9.o2.tw	Method	TBLASTX:Wheat
Start	12639	End	12998
GI	none	Score	108
Exons	12639..12821, 12746..12790, 12842..12997, 12876..12998		

Seq. No.	23959	Seq. ID	OJ990524_13.0103.C10
Gene No.	49964	Strand	+
Start	1	End	942
Name	OJ990524_13.0103.C10.o1.np	Method	AAT/NAP
Start	1	End	942
GI	6742729	Score	1526
Exons	1..942		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	23959	Seq. ID	OJ990524_13.0103.C10
Gene No.	49964	Strand	+
Start	1	End	942
Name	OJ990524_13.0103.C10.o1.gp	Method	AAT/GAP
Start	1	End	942
GI	342_1.R1084	Score	1730
Exons	1..942		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	23959	Seq. ID	OJ990524_13.0103.C10
Gene No.	49964	Strand	+
Start	1	End	942
Name	OJ990524_13.0103.C10.o1.gs	Method	GENSCAN
Start	19	End	876
GI	none	Score	.55
Exons	19..154, 289..369, 583..876		

Seq. No.	23959	Seq. ID	OJ990524_13.0103.C10
Gene No.	49964	Strand	+
Start	1	End	942
Name	OJ990524_13.0103.C10.o1.tc	Method	TBLASTX:Cress
Start	22	End	240
GI	none	Score	209
Exons	22..240, 24..77, 117..212		

Seq. No.	23959	Seq. ID	OJ990524_13.0103.C10
Gene No.	49964	Strand	+
Start	1	End	942
Name	OJ990524_13.0103.C10.o1.tw	Method	TBLASTX:Wheat
Start	61	End	529
GI	none	Score	72
Exons	61..114, 69..113, 115..219, 126..215, 233..319, 234..320, 300..524, 320..529, 321..524, 323..529		

Seq. No.	23959	Seq. ID	OJ990524_13.0103.C10
Gene No.	49964	Strand	+
Start	1	End	942
Name	OJ990524_13.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	106	End	563
GI	none	Score	108
Exons	106..234, 118..240, 234..359,	240..359,	369..563

Seq. No.	23959	Seq. ID	OJ990524_13.0103.C10
Gene No.	49964	Strand	+
Start	1	End	942
Name	OJ990524_13.0103.C10.o1.ts	Method	TBLASTX:Soybean
Start	399	End	635
GI	none	Score	209
Exons	399..635		

Seq. No.	23959	Seq. ID	OJ990524_13.0103.C10
Gene No.	49964	Strand	+
Start	1	End	942
Name	OJ990524_13.0103.C10.o2.tw	Method	TBLASTX:Wheat
Start	624	End	941
GI	none	Score	106
Exons	624..746, 626..769, 743..922,	744..941,	756..926

Seq. No.	23960	Seq. ID	OJ990524_13.0103.C11
Gene No.	49965	Strand	+
Start	1	End	2219
Name	OJ990524_13.0103.C11.o1.gp	Method	AAT/GAP
Start	1	End	2049
GI	342_1.R1084	Score	3194
Exons	1..1371, 1490..1594, 1704..2049		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	23960	Seq. ID	OJ990524_13.0103.C11
Gene No.	49965	Strand	+
Start	1	End	2219
Name	OJ990524_13.0103.C11.o4.gp	Method	AAT/GAP
Start	1	End	2219
GI	342_1.R1084	Score	3495
Exons	1..1371, 1490..1594, 1704..2219		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	23960	Seq. ID	OJ990524_13.0103.C11
Gene No.	49965	Strand	+
Start	1	End	2219
Name	OJ990524_13.0103.C11.o1.np	Method	AAT/NAP
Start	1	End	728
GI	6742729	Score	1155
Exons	1..728		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	23960	Seq. ID	OJ990524_13.0103.C11
Gene No.	49965	Strand	+
Start	1	End	2219
Name	OJ990524_13.0103.C11.o2.gp	Method	AAT/GAP

Start	1	End	2041
GI	342_1.R1084	Score	3178
Exons	1..1371, 1490..1594, 1704..2041		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	23960	Seq. ID	OJ990524_13.0103.C11
Gene No.	49965	Strand	+
Start	1	End	2219
Name	OJ990524_13.0103.C11.o1.gs	Method	GENSCAN
Start	46	End	1287
GI	none	Score	.95
Exons	46..1287		

Seq. No.	23960	Seq. ID	OJ990524_13.0103.C11
Gene No.	49966	Strand	+
Start	3861	End	7556
Name	OJ990524_13.0103.C11.o3.np	Method	AAT/NAP
Start	3861	End	7556
GI	4680204	Score	1071
Exons	3861..5297, 5372..6469, 6579..6752, 6849..7068, 7419..7556		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	23960	Seq. ID	OJ990524_13.0103.C11
Gene No.	49966	Strand	+
Start	3861	End	7556
Name	OJ990524_13.0103.C11.o5.gp	Method	AAT/GAP
Start	5890	End	6369
GI	uC-osflcyp176f10b1	Score	815
Exons	5890..6369		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	23960	Seq. ID	OJ990524_13.0103.C11
Gene No.	49967	Strand	+
Start	7678	End	10720
Name	OJ990524_13.0103.C11.o4.np	Method	AAT/NAP
Start	7678	End	10720
GI	862343	Score	133
Exons	7678..7829, 10615..10720		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	23960	Seq. ID	OJ990524_13.0103.C11
Gene No.	49967	Strand	+
Start	7678	End	10720
Name	OJ990524_13.0103.C11.o6.gp	Method	AAT/GAP
Start	7935	End	8082
GI	21474_1.R1084	Score	249
Exons	7935..8082		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	23960	Seq. ID	OJ990524_13.0103.C11

Gene No.	49968	Strand	+
Start	15012	End	15246
Name	OJ990524_13.0103.C11.o5.np	Method	AAT/NAP
Start	15012	End	15246
GI	6730944	Score	219
Exons	15012..15246		
GI Descrip.	(AB028186) OsNAC7 protein [Oryza sativa]		

Seq. No.	23960	Seq. ID	OJ990524_13.0103.C11
Gene No.	49969	Strand	-
Start	10615	End	10714
Name	OJ990524_13.0103.C11.o1.tw	Method	TBLASTX:Wheat
Start	1	End	1212
GI	none	Score	747
Exons	1..813, 3..596, 481..798, 807..848, 808..849, 812..847, 855..950, 859..918, 897..1037, 898..1038, 966..1046, 1051..1131, 1120..1212		

Seq. No.	23960	Seq. ID	OJ990524_13.0103.C11
Gene No.	49969	Strand	-
Start	10615	End	10714
Name	OJ990524_13.0103.C11.o1.tm	Method	TBLASTX:Maize
Start	13	End	252
GI	none	Score	245
Exons	13..252, 24..224		

Seq. No.	23960	Seq. ID	OJ990524_13.0103.C11
Gene No.	49969	Strand	-
Start	10615	End	10714
Name	OJ990524_13.0103.C11.o1.tc	Method	TBLASTX:Cress
Start	179	End	631
GI	none	Score	332
Exons	179..361, 183..596, 187..609, 193..630, 380..631		

Seq. No.	23960	Seq. ID	OJ990524_13.0103.C11
Gene No.	49969	Strand	-
Start	10615	End	10714
Name	OJ990524_13.0103.C11.o2.tw	Method	TBLASTX:Wheat
Start	4504	End	4907
GI	none	Score	62
Exons	4504..4644, 4504..4614, 4506..4742, 4506..4655, 4607..4774, 4737..4907		

Seq. No.	23960	Seq. ID	OJ990524_13.0103.C11
Gene No.	49969	Strand	-
Start	10615	End	10714
Name	OJ990524_13.0103.C11.o3.tw	Method	TBLASTX:Wheat
Start	6396	End	6918
GI	none	Score	59
Exons	6396..6476, 6565..6747, 6615..6740, 6847..6918		

Seq. No.	23960	Seq. ID	OJ990524_13.0103.C11
Gene No.	49969	Strand	-
Start	10615	End	10714
Name	OJ990524_13.0103.C11.o7.gp	Method	AAT/GAP
Start	10615	End	10714
GI	LIB3477-003-P1-K1-E9	Score	118

Exons	10615..10714		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	23961	Seq. ID	OJ990524_13.0103.C12
Gene No.	49970	Strand	+
Start	1	End	751
Name	OJ990524_13.0103.C12.o1.np	Method	AAT/NAP
Start	1	End	751
GI	5852182	Score	222
Exons	1..22, 578..751		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	23961	Seq. ID	OJ990524_13.0103.C12
Gene No.	49970	Strand	+
Start	1	End	751
Name	OJ990524_13.0103.C12.o1.gp	Method	AAT/GAP
Start	128	End	751
GI	2310235	Score	305
Exons	128..165, 578..751		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49971	Strand	+
Start	795	End	12935
Name	OJ990524_13.0103.C14.o1.gs	Method	GENSCAN
Start	795	End	5069
GI	none	Score	.87
Exons	795..804, 1533..1598, 2462..2659, 2961..3245, 3637..5069		
Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49971	Strand	+
Start	795	End	12935
Name	OJ990524_13.0103.C14.o1.np	Method	AAT/NAP
Start	3593	End	6747
GI	6907106	Score	431
Exons	3593..3738, 3885..3989, 6023..6178, 6259..6488, 6562..6747		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49971	Strand	+
Start	795	End	12935
Name	OJ990524_13.0103.C14.o2.np	Method	AAT/NAP
Start	4876	End	12346
GI	6815062	Score	3552
Exons	4876..5058, 9091..9163, 9435..9705, 9800..10197, 10274..10465, 10558..10763, 10807..11152, 11234..11332, 11410..11749, 12048..12082, 12128..12346		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		
Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49971	Strand	+

Start	795	End	12935
Name	OJ990524_13.0103.C14.o1.gp	Method	AAT/GAP
Start	6226	End	6978
GI	6547_1.R1084	Score	1119
Exons	6226..6978		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49971	Strand	+
Start	795	End	12935
Name	OJ990524_13.0103.C14.o2.gp	Method	AAT/GAP
Start	6735	End	6965
GI	15591_1.R1084	Score	322
Exons	6735..6965		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-14 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49971	Strand	+
Start	795	End	12935
Name	OJ990524_13.0103.C14.o3.gs	Method	GENSCAN
Start	8166	End	12935
GI	none	Score	.4
Exons	8166..8951, 9435..9705, 9800..10197, 10274..10465, 10558..10763, 10807..11152, 11234..11332, 11410..11749, 12123..12204, 12367..12499, 12924..12935		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49972	Strand	-
Start	5508	End	6315
Name	OJ990524_13.0103.C14.o2.gs	Method	GENSCAN
Start	5508	End	6315
GI	none	Score	.76
Exons	5508..5838, 5843..6027, 6049..6315		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49973	Strand	-
Start	13301	End	20352
Name	OJ990524_13.0103.C14.o5.tm	Method	TBLASTX:Maize
Start	4230	End	4831
GI	none	Score	101
Exons	4230..4373, 4472..4564, 4472..4687, 4473..4703, 4673..4831, 4673..4825, 4673..4831, 4696..4827, 4714..4821		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49973	Strand	-
Start	13301	End	20352
Name	OJ990524_13.0103.C14.o4.tm	Method	TBLASTX:Maize
Start	9543	End	10026
GI	none	Score	218
Exons	9543..9728, 9545..9721, 9789..9875, 9790..9897, 9892..9921, 9927..10022, 9931..10026		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49973	Strand	-
Start	13301	End	20352

Name	OJ990524_13.0103.C14.o1.tm	Method	TBLASTX:Maize
Start	10029	End	11152
GI	none	Score	193
Exons	10029..10193, 10030..10200, 10262..10333, 10355..10396, 10406..10483, 10564..10731, 10564..10731, 10738..10764, 10856..11152		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49973	Strand	-
Start	13301	End	20352
Name	OJ990524_13.0103.C14.o4.gs	Method	GENSCAN
Start	13301	End	19980
GI	none	Score	.84
Exons	13301..13315, 13519..13631, 14860..14970, 15052..15144, 17305..17394, 18741..19014, 19108..19259, 19405..19620, 19710..19980		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49973	Strand	-
Start	13301	End	20352
Name	OJ990524_13.0103.C14.o3.np	Method	AAT/NAP
Start	16264	End	20083
GI	5306262	Score	547
Exons	16264..16312, 17151..17394, 18741..19014, 19108..19259, 19405..19620, 19710..19875, 19994..20083		
GI Descrip.	(AC006233) putative lipase [Arabidopsis thaliana]		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49973	Strand	-
Start	13301	End	20352
Name	OJ990524_13.0103.C14.o3.gp	Method	AAT/GAP
Start	16888	End	20352
GI	29916_1.R1084	Score	3451
Exons	16888..17394, 18741..19014, 19108..19259, 19405..19620, 19710..20352		
GI Descrip.	'4314378/gb|AAD15588| 2.0e-65 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1_AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49973	Strand	-
Start	13301	End	20352
Name	OJ990524_13.0103.C14.o1.tw	Method	TBLASTX:Wheat
Start	17002	End	17396
GI	none	Score	70
Exons	17002..17097, 17013..17123, 17067..17126, 17128..17394, 17129..17395, 17130..17396		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49973	Strand	-
Start	13301	End	20352
Name	OJ990524_13.0103.C14.o2.tm	Method	TBLASTX:Maize
Start	17055	End	19021
GI	none	Score	58
Exons	17055..17105, 17063..17107, 17064..17105, 17068..17106, 17125..17373, 17146..17373, 17159..17395, 17160..17396, 18738..19019, 18739..19020, 18740..19021		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49973	Strand	-
Start	13301	End	20352
Name	OJ990524_13.0103.C14.o2.ts	Method	TBLASTX:Soybean
Start	17174	End	17395
GI	none	Score	128
Exons	17174..17332, 17178..17330, 17351..17395		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49973	Strand	-
Start	13301	End	20352
Name	OJ990524_13.0103.C14.o1.tc	Method	TBLASTX:Cress
Start	17186	End	19794
GI	none	Score	52
Exons	17186..17332, 18739..18906, 18916..19029, 18953..19030, 19100..19234, 19111..19257, 19493..19567, 19497..19577, 19696..19794, 19697..19783		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49973	Strand	-
Start	13301	End	20352
Name	OJ990524_13.0103.C14.o4.tw	Method	TBLASTX:Wheat
Start	18734	End	18910
GI	none	Score	124
Exons	18734..18910, 18739..18909		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49973	Strand	-
Start	13301	End	20352
Name	OJ990524_13.0103.C14.o1.ts	Method	TBLASTX:Soybean
Start	18779	End	19263
GI	none	Score	73
Exons	18779..19012, 18781..19020, 19111..19263		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49973	Strand	-
Start	13301	End	20352
Name	OJ990524_13.0103.C14.o2.tw	Method	TBLASTX:Wheat
Start	18911	End	19550
GI	none	Score	113
Exons	18911..19012, 18916..19017, 18919..19020, 19100..19312, 19106..19189, 19107..19208, 19108..19257, 19391..19486, 19406..19549, 19407..19550		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49973	Strand	-
Start	13301	End	20352
Name	OJ990524_13.0103.C14.o3.tm	Method	TBLASTX:Maize
Start	19108	End	19878
GI	none	Score	88
Exons	19108..19233, 19108..19257, 19418..19621, 19428..19667, 19696..19878, 19697..19876		

Seq. No.	23962	Seq. ID	OJ990524_13.0103.C14
Gene No.	49973	Strand	-
Start	13301	End	20352

Name	OJ990524_13.0103.C14.o3.tw	Method	TBLASTX:Wheat
Start	19553	End	19887
GI	none	Score	63
Exons	19553..19618, 19696..19887, 19697..19876		

Seq. No.	23963	Seq. ID	OJ990524_13.0103.C16
Gene No.	49974	Strand	+
Start	7023	End	7380
Name	OJ990524_13.0103.C16.o1.np	Method	AAT/NAP
Start	7023	End	7380
GI	4584355	Score	209
Exons	7023..7380		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	23963	Seq. ID	OJ990524_13.0103.C16
Gene No.	49975	Strand	-
Start	7689	End	12326
Name	OJ990524_13.0103.C16.o1.gp	Method	AAT/GAP
Start	7689	End	9646
GI	260_1.R1084	Score	3151
Exons	7689..8224, 8319..8801, 8917..9179, 9291..9646		
GI Descrip.	'121476/sp|P14323|GLU4_ORYSA 0.0e+00 GLUTELIN PRECURSOR >gi_82470_pir__S07640 glutelin precursor (clone 5b-1) - rice >gi_20232_emb_CAA33838_ (X15833) precursor (AA -24 to 475) [Oryza sativa]'		

Seq. No.	23963	Seq. ID	OJ990524_13.0103.C16
Gene No.	49975	Strand	-
Start	7689	End	12326
Name	OJ990524_13.0103.C16.o1.tm	Method	TBLASTX:Maize
Start	7792	End	9474
GI	none	Score	235
Exons	7792..8043, 7835..8227, 7863..8222, 8296..8469, 8298..8477, 8298..8474, 8604..8738, 8917..9072, 8981..9073, 9125..9181, 9145..9180, 9289..9414, 9290..9382, 9397..9474		

Seq. No.	23963	Seq. ID	OJ990524_13.0103.C16
Gene No.	49975	Strand	-
Start	7689	End	12326
Name	OJ990524_13.0103.C16.o2.gs	Method	GENSCAN
Start	7799	End	12326
GI	none	Score	.76
Exons	7799..8224, 8319..8801, 8917..9179, 9291..9443, 10448..10591, 10793..10864, 11188..11348, 12025..12326		

Seq. No.	23963	Seq. ID	OJ990524_13.0103.C16
Gene No.	49975	Strand	-
Start	7689	End	12326
Name	OJ990524_13.0103.C16.o2.np	Method	AAT/NAP
Start	7802	End	9618
GI	121476	Score	2501
Exons	7802..8224, 8319..8801, 8917..9179, 9291..9618		
GI Descrip.	GLUTELIN PRECURSOR gi|82470|pir||S07640 glutelin precursor (clone 5b-1) - rice gi|20232|emb|CAA33838| (X15833) precursor (AA -24 to 475) [Oryza sativa]		

Seq. No.	23963	Seq. ID	OJ990524_13.0103.C16

Gene No.	49975	Strand	-
Start	7689	End	12326
Name	OJ990524_13.0103.C16.o1.tc	Method	TBLASTX:Cress
Start	7898	End	9489
GI	none	Score	148
Exons	7898..8227, 7911..8270, 8301..8489, 8359..8487, 8607..8765, 8608..8766, 8929..9081, 8981..9082, 8990..9106, 9133..9180, 9137..9202, 9289..9489		

Seq. No.	23963	Seq. ID	OJ990524_13.0103.C16
Gene No.	49975	Strand	-
Start	7689	End	12326
Name	OJ990524_13.0103.C16.o3.np	Method	AAT/NAP
Start	9338	End	11605
GI	6907088	Score	154
Exons	9338..9363, 11142..11287, 11466..11605		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	23964	Seq. ID	OJ990514_12.0103.C1
Gene No.	49976	Strand	+
Start	50	End	635
Name	OJ990514_12.0103.C1.o1.gs	Method	GENSCAN
Start	50	End	617
GI	none	Score	.81
Exons	50..178, 441..617		

Seq. No.	23964	Seq. ID	OJ990514_12.0103.C1
Gene No.	49976	Strand	+
Start	50	End	635
Name	OJ990514_12.0103.C1.o1.np	Method	AAT/NAP
Start	515	End	635
GI	6006359	Score	47
Exons	515..635		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	23965	Seq. ID	OJ990514_12.0103.C4
Gene No.	49977	Strand	-
Start	1	End	1202
Name	OJ990514_12.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	1034
GI	3688181	Score	120
Exons	1..69, 532..636, 764..793, 893..1034		
GI Descrip.	(AL031804) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	23965	Seq. ID	OJ990514_12.0103.C4
Gene No.	49977	Strand	-
Start	1	End	1202
Name	OJ990514_12.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	543	End	1035
GI	none	Score	125
Exons	543..638, 546..638, 554..652, 759..818, 925..1035, 939..1034		

Seq. No.	23965	Seq. ID	OJ990514_12.0103.C4
Gene No.	49977	Strand	-
Start	1	End	1202
Name	OJ990514_12.0103.C4.o1.gs	Method	GENSCAN
Start	554	End	1177

GI	none	Score	.96
Exons	554..697, 828..1118, 1136..1177		

Seq. No.	23965	Seq. ID	OJ990514_12.0103.C4
Gene No.	49977	Strand	-
Start	1	End	1202
Name	OJ990514_12.0103.C4.o1.gp	Method	AAT/GAP
Start	564	End	1202
GI	63240_1.R1084	Score	723
Exons	564..636, 761..1037, 1136..1202		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	23966	Seq. ID	OJ990514_12.0103.C5
Gene No.	49978	Strand	+
Start	180	End	690
Name	OJ990514_12.0103.C5.o1.gs	Method	GENSCAN
Start	180	End	513
GI	none	Score	.89
Exons	180..513		

Seq. No.	23966	Seq. ID	OJ990514_12.0103.C5
Gene No.	49978	Strand	+
Start	180	End	690
Name	OJ990514_12.0103.C5.o1.np	Method	AAT/NAP
Start	180	End	690
GI	4512231	Score	769
Exons	180..690		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	23967	Seq. ID	OJ990514_12.0103.C7
Gene No.	49979	Strand	+
Start	261	End	335
Name	OJ990514_12.0103.C7.o1.gs	Method	GENSCAN
Start	261	End	335
GI	none	Score	.92
Exons	261..335		

Seq. No.	23968	Seq. ID	OJ990514_12.0103.C8
Gene No.	49980	Strand	-
Start	1	End	3241
Name	OJ990514_12.0103.C8.o1.np	Method	AAT/NAP
Start	1	End	3241
GI	3377805	Score	359
Exons	1..88, 873..987, 1588..1658, 1745..1899, 1963..2078, 2194..2295, 2848..2939, 3039..3241		
GI Descrip.	(AF075597) contains similarity to several apoptosis or programmed cell death proteins such as rat apoptosis protein RP-8 (GB:M80601) [Arabidopsis thaliana] gi|3912928|gb|AAC78712.1| (AF001308) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	23968	Seq. ID	OJ990514_12.0103.C8
Gene No.	49980	Strand	-
Start	1	End	3241
Name	OJ990514_12.0103.C8.o1.gs	Method	GENSCAN
Start	1584	End	3172

GI	none	Score	.57
Exons	1584..1658, 1745..1899, 1988..2078, 2194..2291, 3055..3172		

Seq. No.	23968	Seq. ID	OJ990514_12.0103.C8
Gene No.	49980	Strand	-
Start	1	End	3241
Name	OJ990514_12.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	1980	End	3178
GI	none	Score	41
Exons	1980..2081, 1981..2082, 2195..2254, 2243..2269, 2876..2947, 2892..2942, 3039..3170, 3041..3178, 3095..3175		

Seq. No.	23969	Seq. ID	OJ990514_12.0103.C9
Gene No.	49981	Strand	+
Start	65	End	1460
Name	OJ990514_12.0103.C9.o1.gs	Method	GENSCAN
Start	65	End	1460
GI	none	Score	.89
Exons	65..185, 861..1264, 1279..1460		

Seq. No.	23969	Seq. ID	OJ990514_12.0103.C9
Gene No.	49982	Strand	+
Start	5032	End	5208
Name	OJ990514_12.0103.C9.o3.gs	Method	GENSCAN
Start	5032	End	5208
GI	none	Score	.98
Exons	5032..5208		

Seq. No.	23969	Seq. ID	OJ990514_12.0103.C9
Gene No.	49983	Strand	+
Start	5668	End	5788
Name	OJ990514_12.0103.C9.o4.gs	Method	GENSCAN
Start	5668	End	5788
GI	none	Score	.68
Exons	5668..5788		

Seq. No.	23969	Seq. ID	OJ990514_12.0103.C9
Gene No.	49984	Strand	-
Start	1	End	4504
Name	OJ990514_12.0103.C9.o1.np	Method	AAT/NAP
Start	1	End	1872
GI	6523547	Score	123
Exons	1..59, 838..1113, 1230..1872		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	23969	Seq. ID	OJ990514_12.0103.C9
Gene No.	49984	Strand	-
Start	1	End	4504
Name	OJ990514_12.0103.C9.o2.np	Method	AAT/NAP
Start	1	End	4504
GI	6016874	Score	2125
Exons	1..171, 1620..1857, 2303..2667, 2785..2964, 3358..3517, 3908..4140, 4205..4342, 4426..4504		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	23969	Seq. ID	OJ990514_12.0103.C9
Gene No.	49984	Strand	-
Start	1	End	4504
Name	OJ990514_12.0103.C9.o1.gp	Method	AAT/GAP
Start	401	End	1136
GI	35458_1.R1084	Score	158
Exons	401..523, 1116..1136		
GI Descrip.	'3868853/dbj|BAA34247| 1.0e-21 (AB013853) GPI-anchored protein [Vigna radiata]'		

Seq. No.	23969	Seq. ID	OJ990514_12.0103.C9
Gene No.	49984	Strand	-
Start	1	End	4504
Name	OJ990514_12.0103.C9.o2.gs	Method	GENSCAN
Start	2324	End	4504
GI	none	Score	.73
Exons	2324..2784, 3358..3517, 4052..4140, 4205..4342, 4426..4504		

Seq. No.	23969	Seq. ID	OJ990514_12.0103.C9
Gene No.	49984	Strand	-
Start	1	End	4504
Name	OJ990514_12.0103.C9.o2.tm	Method	TBLASTX:Maize
Start	2390	End	2633
GI	none	Score	97
Exons	2390..2623, 2475..2633		

Seq. No.	23969	Seq. ID	OJ990514_12.0103.C9
Gene No.	49984	Strand	-
Start	1	End	4504
Name	OJ990514_12.0103.C9.o4.tm	Method	TBLASTX:Maize
Start	2745	End	3097
GI	none	Score	138
Exons	2745..3086, 2816..3097		

Seq. No.	23969	Seq. ID	OJ990514_12.0103.C9
Gene No.	49984	Strand	-
Start	1	End	4504
Name	OJ990514_12.0103.C9.o3.tm	Method	TBLASTX:Maize
Start	3302	End	3616
GI	none	Score	100
Exons	3302..3529, 3303..3521, 3542..3616		

Seq. No.	23969	Seq. ID	OJ990514_12.0103.C9
Gene No.	49984	Strand	-
Start	1	End	4504
Name	OJ990514_12.0103.C9.o2.gp	Method	AAT/GAP
Start	3307	End	3815
GI	uC-osflcyp110c07b1	Score	958
Exons	3307..3815		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	23969	Seq. ID	OJ990514_12.0103.C9
Gene No.	49984	Strand	-
Start	1	End	4504

Name	OJ990514_12.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	3710	End	4156
GI	none	Score	110
Exons	3710..3748, 3743..3805, 3806..4084, 3876..4085, 4070..4156		

Seq. No.	23970	Seq. ID	OJ990514_12.0103.C10
Gene No.	49985	Strand	+
Start	594	End	6096
Name	OJ990514_12.0103.C10.o1.np	Method	AAT/NAP
Start	594	End	2326
GI	6505722	Score	457
Exons	594..843, 883..1523, 1604..1747, 1964..2326		
GI Descrip.	(AB032123) ribosomal RNA apurinic site specific lyase [Triticum aestivum] gi|6513849|dbj|BAA87876.1| (AB032124) ribosomal RNA apurinic site specific lyase [Triticum aestivum]		

Seq. No.	23970	Seq. ID	OJ990514_12.0103.C10
Gene No.	49985	Strand	+
Start	594	End	6096
Name	OJ990514_12.0103.C10.o1.gs	Method	GENSCAN
Start	603	End	6096
GI	none	Score	.72
Exons	603..1517, 1964..2137, 3012..3135, 3191..3324, 4201..4278, 5478..5573, 5825..5937, 5991..6096		

Seq. No.	23970	Seq. ID	OJ990514_12.0103.C10
Gene No.	49985	Strand	+
Start	594	End	6096
Name	OJ990514_12.0103.C10.o2.gp	Method	AAT/GAP
Start	4096	End	5576
GI	none	Score	908
Exons	4096..4431, 4516..4587, 5478..5576		

Seq. No.	23970	Seq. ID	OJ990514_12.0103.C10
Gene No.	49986	Strand	+
Start	6786	End	7168
Name	OJ990514_12.0103.C10.o3.gp	Method	AAT/GAP
Start	6786	End	7168
GI	LIB3474-003-P1-K1-C12	Score	661
Exons	6786..7168		
GI Descrip.	'1168654/sp|P45582|BGAL_ASPOF 2.0e-28 BETA-GALACTOSIDASE PRECURSOR (LACTASE) >gi_542198_pir__S41889 beta-galactosidase (EC 3.2.1.23) - garden asparagus >gi_452712_emb_CAA54525_ (X77319) beta-galactosidase [Asparagus officinalis]'		

Seq. No.	23970	Seq. ID	OJ990514_12.0103.C10
Gene No.	49987	Strand	-
Start	3789	End	3854
Name	OJ990514_12.0103.C10.o1.gp	Method	AAT/GAP
Start	3789	End	3854
GI	2312838	Score	71
Exons	3789..3854		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	23971	Seq. ID	OJ990514_12.0103.C12
Gene No.	49988	Strand	-

Start	341	End	879
Name	OJ990514_12.0103.C12.o1.gs	Method	GENSCAN
Start	341	End	879
GI	none	Score	.41
Exons	341..366, 840..879		

Seq. No.	23972	Seq. ID	OJ990514_12.0103.C13
Gene No.	49989	Strand	+
Start	172	End	1129
Name	OJ990514_12.0103.C13.o1.np	Method	AAT/NAP
Start	172	End	1129
GI	3355308	Score	515
Exons	172..1129		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	23972	Seq. ID	OJ990514_12.0103.C13
Gene No.	49989	Strand	+
Start	172	End	1129
Name	OJ990514_12.0103.C13.o1.gs	Method	GENSCAN
Start	370	End	708
GI	none	Score	.78
Exons	370..708		

Seq. No.	23972	Seq. ID	OJ990514_12.0103.C13
Gene No.	49990	Strand	-
Start	2029	End	6640
Name	OJ990514_12.0103.C13.o1.ts	Method	TBLASTX:Soybean
Start	167	End	850
GI	none	Score	69
Exons	167..283, 186..233, 275..331, 501..686, 702..821, 704..820,	276..335, 334..426, 454..681, 821..850	

Seq. No.	23972	Seq. ID	OJ990514_12.0103.C13
Gene No.	49990	Strand	-
Start	2029	End	6640
Name	OJ990514_12.0103.C13.o2.tm	Method	TBLASTX:Maize
Start	167	End	1020
GI	none	Score	67
Exons	167..346, 186..239, 270..335, 498..680, 690..821, 701..829,	333..419, 334..420, 433..690, 901..1020	

Seq. No.	23972	Seq. ID	OJ990514_12.0103.C13
Gene No.	49990	Strand	-
Start	2029	End	6640
Name	OJ990514_12.0103.C13.o1.tc	Method	TBLASTX:Cress
Start	176	End	824
GI	none	Score	75
Exons	176..235, 186..236, 275..340, 335..421, 361..423, 439..681, 705..824, 710..763	276..335, 333..422, 334..423, 478..657, 498..680, 543..686,	

Seq. No.	23972	Seq. ID	OJ990514_12.0103.C13
Gene No.	49990	Strand	-
Start	2029	End	6640
Name	OJ990514_12.0103.C13.o1.tw	Method	TBLASTX:Wheat
Start	370	End	776
GI	none	Score	63

Exons	370..471, 442..618, 498..629, 643..696, 645..683, 702..776, 704..775		
Seq. No.	23972	Seq. ID	OJ990514_12.0103.C13
Gene No.	49990	Strand	-
Start	2029	End	6640
Name	OJ990514_12.0103.C13.o2.np	Method	AAT/NAP
Start	1894	End	6640
GI	4758918	Score	624
Exons	1894..2004, 2807..2972, 3071..3222, 3365..3426, 3466..3545, 3639..3920, 4611..4783, 4833..4933, 5032..5136, 5540..5657, 5778..5919, 6490..6640		
GI Descrip.	phosphatidylinositol glycan, class B gi|1552169|dbj|BAA07709| (D42138) PIG-B [Homo sapiens]		

Seq. No.	23972	Seq. ID	OJ990514_12.0103.C13
Gene No.	49990	Strand	-
Start	2029	End	6640
Name	OJ990514_12.0103.C13.o2.gs	Method	GENSCAN
Start	2029	End	6267
GI	none	Score	.78
Exons	2029..2046, 2807..2981, 3071..3222, 3365..3504, 3546..3589, 3639..3920, 4611..4871, 5039..5136, 5540..5657, 5778..6077, 6104..6267		

Seq. No.	23972	Seq. ID	OJ990514_12.0103.C13
Gene No.	49990	Strand	-
Start	2029	End	6640
Name	OJ990514_12.0103.C13.o1.tm	Method	TBLASTX:Maize
Start	2901	End	3914
GI	none	Score	86
Exons	2901..2969, 2903..2968, 3071..3244, 3073..3225, 3307..3336, 3356..3547, 3365..3547, 3366..3548, 3366..3548, 3632..3913, 3639..3914		

Seq. No.	23972	Seq. ID	OJ990514_12.0103.C13
Gene No.	49990	Strand	-
Start	2029	End	6640
Name	OJ990514_12.0103.C13.o3.tc	Method	TBLASTX:Cress
Start	4667	End	4939
GI	none	Score	74
Exons	4667..4762, 4668..4751, 4788..4913, 4814..4930, 4832..4939		

Seq. No.	23972	Seq. ID	OJ990514_12.0103.C13
Gene No.	49990	Strand	-
Start	2029	End	6640
Name	OJ990514_12.0103.C13.o3.tm	Method	TBLASTX:Maize
Start	4745	End	4934
GI	none	Score	175
Exons	4745..4933, 4749..4934		

Seq. No.	23972	Seq. ID	OJ990514_12.0103.C13
Gene No.	49990	Strand	-
Start	2029	End	6640
Name	OJ990514_12.0103.C13.o2.tc	Method	TBLASTX:Cress
Start	5537	End	5840
GI	none	Score	50

Exons	5537..5656, 5550..5657, 5775..5840, 5777..5839		
Seq. No.	23973	Seq. ID	OJ990514_12.0103.C14
Gene No.	49991	Strand	+
Start	1	End	3291
Name	OJ990514_12.0103.C14.o1.np	Method	AAT/NAP
Start	1	End	2931
GI	6522542	Score	597
Exons	1..21, 300..425, 570..652, 1542..1664, 2158..2324, 2461..2543, 2745..2931		
GI Descrip.	(AL132955) putative protein [Arabidopsis thaliana]		
Seq. No.	23973	Seq. ID	OJ990514_12.0103.C14
Gene No.	49991	Strand	+
Start	1	End	3291
Name	OJ990514_12.0103.C14.o1.tc	Method	TBLASTX:Cress
Start	300	End	2933
GI	none	Score	137
Exons	300..425, 326..424, 567..653, 596..652, 1543..1602, 1604..1666, 2156..2314, 2157..2315, 2442..2543, 2443..2547, 2739..2933, 2741..2857, 2743..2907		
Seq. No.	23973	Seq. ID	OJ990514_12.0103.C14
Gene No.	49991	Strand	+
Start	1	End	3291
Name	OJ990514_12.0103.C14.o1.gs	Method	GENSCAN
Start	304	End	2919
GI	none	Score	.95
Exons	304..425, 1335..1385, 1542..1664, 2158..2322, 2450..2543, 2745..2919		
Seq. No.	23973	Seq. ID	OJ990514_12.0103.C14
Gene No.	49991	Strand	+
Start	1	End	3291
Name	OJ990514_12.0103.C14.o2.tm	Method	TBLASTX:Maize
Start	315	End	1666
GI	none	Score	125
Exons	315..425, 341..409, 546..653, 568..657, 572..652, 1543..1602, 1544..1600, 1603..1665, 1604..1666		
Seq. No.	23973	Seq. ID	OJ990514_12.0103.C14
Gene No.	49991	Strand	+
Start	1	End	3291
Name	OJ990514_12.0103.C14.o1.gp	Method	AAT/GAP
Start	331	End	2486
GI	26883_1.R1084	Score	898
Exons	331..425, 570..635, 1525..1664, 2158..2322, 2450..2486		
GI Descrip.	'4191783 1.0e-14 (AC005917) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	23973	Seq. ID	OJ990514_12.0103.C14
Gene No.	49991	Strand	+
Start	1	End	3291
Name	OJ990514_12.0103.C14.o1.tm	Method	TBLASTX:Maize
Start	2165	End	2931
GI	none	Score	206
Exons	2165..2335, 2166..2327, 2448..2546, 2449..2544, 2739..2912,		

2739..2915, 2743..2916, 2743..2931

Seq. No.	23973	Seq. ID	OJ990514_12.0103.C14
Gene No.	49991	Strand	+
Start	1	End	3291
Name	OJ990514_12.0103.C14.o2.gp	Method	AAT/GAP
Start	2722	End	3291
GI	uC-osflcyp067f11a1	Score	893
Exons	2722..2919, 2995..3291		
GI Descrip.	'4191785 2.0e-12 (AC005917) putative hydrolase [Arabidopsis thaliana]'		

Seq. No.	23974	Seq. ID	OJ990514_12.0103.C15
Gene No.	49992	Strand	+
Start	231	End	5916
Name	OJ990514_12.0103.C15.o1.gs	Method	GENSCAN
Start	231	End	5916
GI	none	Score	.65
Exons	231..312, 1017..1081, 1347..1463, 2692..2749, 2855..3026, 3251..3400, 3699..3817, 3984..4066, 4603..4724, 5023..5187, 5316..5409, 5599..5773, 5893..5916		

Seq. No.	23974	Seq. ID	OJ990514_12.0103.C15
Gene No.	49992	Strand	+
Start	231	End	5916
Name	OJ990514_12.0103.C15.o2.np	Method	AAT/NAP
Start	2271	End	5785
GI	6522542	Score	624
Exons	2271..2389, 3656..3817, 3984..4066, 4603..4724, 5023..5180, 5315..5409, 5599..5785		
GI Descrip.	(AL132955) putative protein [Arabidopsis thaliana]		

Seq. No.	23974	Seq. ID	OJ990514_12.0103.C15
Gene No.	49992	Strand	+
Start	231	End	5916
Name	OJ990514_12.0103.C15.o1.gp	Method	AAT/GAP
Start	3263	End	4025
GI	1631574	Score	478
Exons	3263..3400, 3699..3817, 3984..4025		

Seq. No.	23974	Seq. ID	OJ990514_12.0103.C15
Gene No.	49992	Strand	+
Start	231	End	5916
Name	OJ990514_12.0103.C15.o2.gp	Method	AAT/GAP
Start	4603	End	4685
GI	LIB3433-007-Q6-K1-F6	Score	136
Exons	4603..4685		
GI Descrip.	'4191785 9.0e-15 (AC005917) putative hydrolase [Arabidopsis thaliana]'		

Seq. No.	23974	Seq. ID	OJ990514_12.0103.C15
Gene No.	49993	Strand	-
Start	354	End	3283
Name	OJ990514_12.0103.C15.o1.np	Method	AAT/NAP
Start	354	End	3283
GI	6522542	Score	68
Exons	354..458, 1790..1915, 3262..3283		

GI Descrip. (AL132955) putative protein [Arabidopsis thaliana]

Seq. No.	23974	Seq. ID	OJ990514_12.0103.C15
Gene No.	49994	Strand	-
Start	5954	End	6140
Name	OJ990514_12.0103.C15.o3.gp	Method	AAT/GAP
Start	5954	End	6140
GI	uC-osflcyp105f06a1	Score	276
Exons	5954..6140		
GI Descrip.	'4191783 1.0e-14 (AC005917) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	23974	Seq. ID	OJ990514_12.0103.C15
Gene No.	49995	Strand	-
Start	6994	End	11888
Name	OJ990514_12.0103.C15.o1.tc	Method	TBLASTX:Cress
Start	1792	End	5784
GI	none	Score	81
Exons	1792..1914, 1793..1915, 3704..3817, 3706..3804, 3981..4067, 4603..4725, 4604..4726, 5016..5174, 5021..5173, 5142..5243, 5311..5409, 5315..5410, 5593..5784, 5595..5759, 5597..5761		

Seq. No.	23974	Seq. ID	OJ990514_12.0103.C15
Gene No.	49995	Strand	-
Start	6994	End	11888
Name	OJ990514_12.0103.C15.o1.tm	Method	TBLASTX:Maize
Start	5030	End	5775
GI	none	Score	217
Exons	5030..5194, 5031..5192, 5294..5410, 5299..5412, 5308..5412, 5593..5772, 5597..5773, 5641..5775		

Seq. No.	23974	Seq. ID	OJ990514_12.0103.C15
Gene No.	49995	Strand	-
Start	6994	End	11888
Name	OJ990514_12.0103.C15.o2.tm	Method	TBLASTX:Maize
Start	6913	End	9108
GI	none	Score	49
Exons	6913..6984, 6933..6986, 6984..7151, 6994..7173, 6994..7140, 7077..7166, 7171..7230, 7255..7311, 7260..7313, 7265..7321, 7265..7312, 8982..9038, 8983..9108		

Seq. No.	23974	Seq. ID	OJ990514_12.0103.C15
Gene No.	49995	Strand	-
Start	6994	End	11888
Name	OJ990514_12.0103.C15.o3.np	Method	AAT/NAP
Start	6941	End	8548
GI	4191783	Score	152
Exons	6941..7206, 8528..8548		
GI Descrip.	(AC005917) unknown protein [Arabidopsis thaliana]		

Seq. No.	23974	Seq. ID	OJ990514_12.0103.C15
Gene No.	49995	Strand	-
Start	6994	End	11888
Name	OJ990514_12.0103.C15.o4.gp	Method	AAT/GAP
Start	6957	End	7165
GI	2796433	Score	398
Exons	6957..7165		

GI Descrip.	4191783 1.0e-14 (AC005917) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	23974	Seq. ID	OJ990514_12.0103.C15
Gene No.	49995	Strand	-
Start	6994	End	11888
Name	OJ990514_12.0103.C15.o2.gs	Method	GENSCAN
Start	6994	End	11888
GI	none	Score	.59
Exons	6994..7348, 8981..9397, 9510..9742, 9861..9951, 11551..11888		
Seq. No.	23975	Seq. ID	OJ990514_12.0103.C17
Gene No.	49996	Strand	-
Start	700	End	1799
Name	OJ990514_12.0103.C17.o1.tw	Method	TBLASTX:Wheat
Start	696	End	1798
GI	none	Score	64
Exons	696..764, 700..756, 703..765, 704..787, 1124..1225, 1140..1223, 1142..1225, 1313..1369, 1315..1377, 1330..1368, 1456..1584, 1458..1586, 1458..1568, 1735..1797, 1736..1798		
Seq. No.	23975	Seq. ID	OJ990514_12.0103.C17
Gene No.	49996	Strand	-
Start	700	End	1799
Name	OJ990514_12.0103.C17.o1.tm	Method	TBLASTX:Maize
Start	697	End	1547
GI	none	Score	58
Exons	697..774, 702..755, 704..757, 934..1059, 936..1052, 937..1053, 1142..1225, 1144..1224, 1313..1369, 1313..1369, 1314..1370, 1315..1377, 1455..1544, 1456..1545, 1458..1547		
Seq. No.	23975	Seq. ID	OJ990514_12.0103.C17
Gene No.	49996	Strand	-
Start	700	End	1799
Name	OJ990514_12.0103.C17.o1.np	Method	AAT/NAP
Start	700	End	1799
GI	3309086	Score	388
Exons	700..754, 938..1050, 1142..1222, 1318..1370, 1457..1565, 1738..1799		
GI Descrip.	(AF076253) calcineurin B-like protein 3 [Arabidopsis thaliana] gi|4938495|emb|CAB43853.1| (AL078465) calcineurin B-like protein 3 [Arabidopsis thaliana]		
Seq. No.	23975	Seq. ID	OJ990514_12.0103.C17
Gene No.	49996	Strand	-
Start	700	End	1799
Name	OJ990514_12.0103.C17.o1.tc	Method	TBLASTX:Cress
Start	703	End	1797
GI	none	Score	61
Exons	703..774, 937..1053, 938..1051, 1142..1225, 1316..1366, 1330..1368, 1449..1604, 1458..1562, 1462..1566, 1735..1797		
Seq. No.	23975	Seq. ID	OJ990514_12.0103.C17
Gene No.	49996	Strand	-
Start	700	End	1799
Name	OJ990514_12.0103.C17.o1.ts	Method	TBLASTX:Soybean
Start	703	End	1797

GI	none	Score	47
Exons	703..774, 937..1053, 1142..1225, 1316..1360, 1330..1368, 1449..1604, 1462..1566, 1735..1797		

Seq. No.	23975	Seq. ID	OJ990514_12.0103.C17
Gene No.	49996	Strand	-
Start	700	End	1799
Name	OJ990514_12.0103.C17.o1.gs	Method	GENSCAN
Start	938	End	1797
GI	none	Score	.78
Exons	938..1050, 1142..1222, 1318..1370, 1457..1565, 1738..1797		

Seq. No.	23976	Seq. ID	OJ990514_12.0103.C18
Gene No.	49997	Strand	-
Start	815	End	2328
Name	OJ990514_12.0103.C18.o1.gs	Method	GENSCAN
Start	815	End	2328
GI	none	Score	.51
Exons	815..963, 2077..2152, 2167..2328		

Seq. No.	23976	Seq. ID	OJ990514_12.0103.C18
Gene No.	49997	Strand	-
Start	815	End	2328
Name	OJ990514_12.0103.C18.o1.gp	Method	AAT/GAP
Start	1236	End	1598
GI	2309880	Score	688
Exons	1236..1598		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 3.0e-60 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	23977	Seq. ID	OJ990514_12.0103.C19
Gene No.	49998	Strand	+
Start	288	End	810
Name	OJ990514_12.0103.C19.o1.gs	Method	GENSCAN
Start	288	End	810
GI	none	Score	.63
Exons	288..636, 697..810		

Seq. No.	23978	Seq. ID	OJ990514_12.0103.C22
Gene No.	49999	Strand	+
Start	245	End	427
Name	OJ990514_12.0103.C22.o1.gs	Method	GENSCAN
Start	245	End	427
GI	none	Score	.58
Exons	245..427		

Seq. No.	23979	Seq. ID	OJ990514_12.0103.C24
Gene No.	50000	Strand	-
Start	1	End	489
Name	OJ990514_12.0103.C24.o1.gp	Method	AAT/GAP
Start	1	End	489
GI	1631574	Score	303
Exons	1..53, 352..489		

Seq. No.	23980	Seq. ID	OJ990514_12.0103.C25
Gene No.	50001	Strand	-
Start	180	End	648

Name	OJ990514_12.0103.C25.o1.gs	Method	GENSCAN
Start	180	End	648
GI	none	Score	.93
Exons	180..648		

Seq. No.	23981	Seq. ID	OJ990514_12.0103.C27
Gene No.	50002	Strand	+
Start	99	End	494
Name	OJ990514_12.0103.C27.o1.gs	Method	GENSCAN
Start	99	End	494
GI	none	Score	.84
Exons	99..494		

Seq. No.	23982	Seq. ID	OJ990514_12.0103.C28
Gene No.	50003	Strand	+
Start	469	End	858
Name	OJ990514_12.0103.C28.o1.gp	Method	AAT/GAP
Start	469	End	858
GI	LIB3475-008-P1-K1-D5	Score	735
Exons	469..858		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	23983	Seq. ID	OJ990514_12.0103.C29
Gene No.	50004	Strand	+
Start	1	End	2154
Name	OJ990514_12.0103.C29.o1.np	Method	AAT/NAP
Start	1	End	2154
GI	4220455	Score	156
Exons	1..23, 381..865, 2136..2154		
GI Descrip.	(AC006216) Identical to gene gb|D88746 AR791 from Arabidopsis thaliana. [Arabidopsis thaliana]		

Seq. No.	23983	Seq. ID	OJ990514_12.0103.C29
Gene No.	50004	Strand	+
Start	1	End	2154
Name	OJ990514_12.0103.C29.o1.gs	Method	GENSCAN
Start	381	End	1407
GI	none	Score	.86
Exons	381..985, 1026..1407		

Seq. No.	23983	Seq. ID	OJ990514_12.0103.C29
Gene No.	50004	Strand	+
Start	1	End	2154
Name	OJ990514_12.0103.C29.o1.tc	Method	TBLASTX:Cress
Start	381	End	635
GI	none	Score	158
Exons	381..551, 552..635		

Seq. No.	23983	Seq. ID	OJ990514_12.0103.C29
Gene No.	50004	Strand	+
Start	1	End	2154
Name	OJ990514_12.0103.C29.o1.gp	Method	AAT/GAP
Start	416	End	817
GI	61948_1.R1084	Score	767
Exons	416..817		
GI Descrip.	'1669599/dbj|BAA13687| 1.0e-16 (D88746) AR791 [Arabidopsis		

thaliana]'

Seq. No.	23983	Seq. ID	OJ990514_12.0103.C29
Gene No.	50004	Strand	+
Start	1	End	2154
Name	OJ990514_12.0103.C29.o1.tm	Method	TBLASTX:Maize
Start	429	End	638
GI	none	Score	195
Exons	429..554, 429..503, 549..638, 564..635		

Seq. No.	23984	Seq. ID	OJ990514_12.0103.C30
Gene No.	50005	Strand	+
Start	258	End	755
Name	OJ990514_12.0103.C30.o1.gs	Method	GENSCAN
Start	258	End	755
GI	none	Score	.67
Exons	258..332, 732..755		

Seq. No.	23984	Seq. ID	OJ990514_12.0103.C30
Gene No.	50006	Strand	-
Start	1501	End	4281
Name	OJ990514_12.0103.C30.o1.np	Method	AAT/NAP
Start	1373	End	1858
GI	6069668	Score	646
Exons	1373..1615, 1651..1858		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	23984	Seq. ID	OJ990514_12.0103.C30
Gene No.	50006	Strand	-
Start	1501	End	4281
Name	OJ990514_12.0103.C30.o2.gs	Method	GENSCAN
Start	1501	End	4168
GI	none	Score	.87
Exons	1501..1860, 3028..3771, 4061..4168		

Seq. No.	23984	Seq. ID	OJ990514_12.0103.C30
Gene No.	50006	Strand	-
Start	1501	End	4281
Name	OJ990514_12.0103.C30.o2.np	Method	AAT/NAP
Start	2940	End	4168
GI	2129503	Score	635
Exons	2940..3618, 3655..3771, 4061..4168		
GI Descrip.	ACC oxidase (clone ACO2) oxidase - muskmelon gi|1183898|emb|CAA64798| (X95552) ACC oxidase [Cucumis melo]		

Seq. No.	23984	Seq. ID	OJ990514_12.0103.C30
Gene No.	50006	Strand	-
Start	1501	End	4281
Name	OJ990514_12.0103.C30.o1.gp	Method	AAT/GAP
Start	3540	End	4281
GI	69959_1.R1084	Score	780
Exons	3540..3771, 4061..4281		
GI Descrip.	'4191788 3.0e-13 (AC005917) putative 1-aminocyclopropane-1-carboxylate oxidase [Arabidopsis thaliana]'		

Seq. No.	23984	Seq. ID	OJ990514_12.0103.C30

Gene No.	50007	Strand	-
Start	4693	End	4781
Name	OJ990514_12.0103.C30.o1.tm	Method	TBLASTX:Maize
Start	2949	End	3397
GI	none	Score	87
Exons	2949..2996, 3087..3134, 3121..3246, 3122..3244, 3247..3387, 3251..3397		

Seq. No.	23984	Seq. ID	OJ990514_12.0103.C30
Gene No.	50007	Strand	-
Start	4693	End	4781
Name	OJ990514_12.0103.C30.o1.tc	Method	TBLASTX:Cress
Start	3087	End	4123
GI	none	Score	153
Exons	3087..3119, 3121..3228, 3250..3387, 3269..3397, 3442..3603, 3673..3765, 4064..4123		

Seq. No.	23984	Seq. ID	OJ990514_12.0103.C30
Gene No.	50007	Strand	-
Start	4693	End	4781
Name	OJ990514_12.0103.C30.o1.ts	Method	TBLASTX:Soybean
Start	3087	End	4123
GI	none	Score	74
Exons	3087..3116, 3121..3228, 3122..3205, 3265..3387, 3272..3397, 3442..3594, 3655..3774, 4064..4123		

Seq. No.	23984	Seq. ID	OJ990514_12.0103.C30
Gene No.	50007	Strand	-
Start	4693	End	4781
Name	OJ990514_12.0103.C30.o1.tw	Method	TBLASTX:Wheat
Start	3132	End	3369
GI	none	Score	77
Exons	3132..3200, 3133..3207, 3139..3210, 3250..3369, 3251..3367		

Seq. No.	23984	Seq. ID	OJ990514_12.0103.C30
Gene No.	50007	Strand	-
Start	4693	End	4781
Name	OJ990514_12.0103.C30.o2.tm	Method	TBLASTX:Maize
Start	3466	End	4174
GI	none	Score	119
Exons	3466..3699, 3467..3604, 3655..3771, 3656..3772, 4046..4168, 4049..4174		

Seq. No.	23984	Seq. ID	OJ990514_12.0103.C30
Gene No.	50007	Strand	-
Start	4693	End	4781
Name	OJ990514_12.0103.C30.o3.gs	Method	GENSCAN
Start	4693	End	4781
GI	none	Score	.7
Exons	4693..4781		

Seq. No.	23985	Seq. ID	OJ990514_12.0103.C32
Gene No.	50008	Strand	+
Start	513	End	1687
Name	OJ990514_12.0103.C32.o1.gs	Method	GENSCAN
Start	513	End	809
GI	none	Score	.74

Exons	513..618, 693..809		
Seq. No.	23985	Seq. ID	OJ990514_12.0103.C32
Gene No.	50008	Strand	+
Start	513	End	1687
Name	OJ990514_12.0103.C32.o1.np	Method	AAT/NAP
Start	671	End	1687
GI	6815109	Score	135
Exons	671..837, 1474..1687		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	23986	Seq. ID	OJ990514_12.0103.C33
Gene No.	50009	Strand	+
Start	358	End	964
Name	OJ990514_12.0103.C33.o1.gs	Method	GENSCAN
Start	358	End	964
GI	none	Score	.62
Exons	358..425, 847..964		
Seq. No.	23986	Seq. ID	OJ990514_12.0103.C33
Gene No.	50010	Strand	+
Start	1961	End	2230
Name	OJ990514_12.0103.C33.o2.gs	Method	GENSCAN
Start	1961	End	2230
GI	none	Score	.54
Exons	1961..2108, 2172..2230		
Seq. No.	23987	Seq. ID	OJ990514_12.0103.C34
Gene No.	50011	Strand	+
Start	1250	End	2315
Name	OJ990514_12.0103.C34.o1.gs	Method	GENSCAN
Start	1250	End	2315
GI	none	Score	.75
Exons	1250..1368, 2258..2315		
Seq. No.	23987	Seq. ID	OJ990514_12.0103.C34
Gene No.	50012	Strand	+
Start	4663	End	6839
Name	OJ990514_12.0103.C34.o2.gs	Method	GENSCAN
Start	4663	End	6839
GI	none	Score	.66
Exons	4663..5987, 6511..6839		
Seq. No.	23987	Seq. ID	OJ990514_12.0103.C34
Gene No.	50012	Strand	+
Start	4663	End	6839
Name	OJ990514_12.0103.C34.o1.tc	Method	TBLASTX:Cress
Start	4702	End	5244
GI	none	Score	245
Exons	4702..5064, 4719..5024, 5179..5244		
Seq. No.	23987	Seq. ID	OJ990514_12.0103.C34
Gene No.	50012	Strand	+
Start	4663	End	6839
Name	OJ990514_12.0103.C34.o1.tm	Method	TBLASTX:Maize
Start	4702	End	5037
GI	none	Score	183

Exons	4702..4944, 4719..4958, 4954..5037		
Seq. No.	23987	Seq. ID	OJ990514_12.0103.C34
Gene No.	50012	Strand	+
Start	4663	End	6839
Name	OJ990514_12.0103.C34.o1.ts	Method	TBLASTX:Soybean
Start	4702	End	5037
GI	none	Score	236
Exons	4702..5037, 4719..5015		
Seq. No.	23987	Seq. ID	OJ990514_12.0103.C34
Gene No.	50012	Strand	+
Start	4663	End	6839
Name	OJ990514_12.0103.C34.o1.np	Method	AAT/NAP
Start	4710	End	5136
GI	5257260	Score	215
Exons	4710..5136		
GI Descrip.	(AP000364) Similar to sequence of BAC F7G19 from Arabidopsis thaliana. (AC000106) [Oryza sativa]		
Seq. No.	23988	Seq. ID	OJ990514_12.0103.C35
Gene No.	50013	Strand	+
Start	150	End	1309
Name	OJ990514_12.0103.C35.o1.gs	Method	GENSCAN
Start	150	End	1309
GI	none	Score	.67
Exons	150..257, 427..622, 972..1309		
Seq. No.	23988	Seq. ID	OJ990514_12.0103.C35
Gene No.	50014	Strand	-
Start	1335	End	1767
Name	OJ990514_12.0103.C35.o1.gp	Method	AAT/GAP
Start	1335	End	1767
GI	3768727	Score	784
Exons	1335..1767		
Seq. No.	23988	Seq. ID	OJ990514_12.0103.C35
Gene No.	50015	Strand	-
Start	1860	End	7128
Name	OJ990514_12.0103.C35.o2.tm	Method	TBLASTX:Maize
Start	1513	End	2240
GI	none	Score	34
Exons	1513..1566, 1638..1670, 1703..1786, 1734..1787, 1858..1989, 1860..1973, 2072..2239, 2073..2240		
Seq. No.	23988	Seq. ID	OJ990514_12.0103.C35
Gene No.	50015	Strand	-
Start	1860	End	7128
Name	OJ990514_12.0103.C35.o2.gs	Method	GENSCAN
Start	1860	End	7128
GI	none	Score	.91
Exons	1860..1970, 2072..2363, 2482..2687, 2770..2871, 3161..3270, 3355..3464, 3548..3717, 4000..4164, 4249..4367, 4843..4882, 4991..5077, 5159..5264, 5658..5833, 5920..6012, 6457..6472, 6505..6617, 6703..6798, 6865..7128		
Seq. No.	23988	Seq. ID	OJ990514_12.0103.C35

Gene No.	50015	Strand	-
Start	1860	End	7128
Name	OJ990514_12.0103.C35.o1.ts	Method	TBLASTX:Soybean
Start	1861	End	5970
GI	none	Score	93
Exons	1861..1989, 1866..1988, 2072..2215, 2073..2219, 2207..2389, 2250..2390, 2299..2391, 2478..2657, 2479..2676, 2481..2681, 2635..2682, 2770..2796, 2809..2874, 2810..2872, 2823..2882, 2953..3066, 2955..3065, 2966..3067, 3161..3283, 3214..3282, 3351..3446, 3353..3478, 3532..3678, 3536..3679, 4001..4159, 4003..4167, 4242..4358, 4244..4360, 4249..4383, 4259..4384, 4989..5060, 4989..5054, 5057..5083, 5058..5078, 5159..5263, 5160..5291, 5352..5441, 5354..5443, 5354..5443, 5355..5444, 5681..5836, 5694..5834, 5917..5970		

Seq. No.	23988	Seq. ID	OJ990514_12.0103.C35
Gene No.	50015	Strand	-
Start	1860	End	7128
Name	OJ990514_12.0103.C35.o1.np	Method	AAT/NAP
Start	1863	End	7128
GI	1168654	Score	2896
Exons	1863..1981, 2072..2390, 2482..2687, 2770..2871, 2956..3066, 3161..3270, 3355..3464, 3548..3717, 4000..4164, 4249..4367, 4991..5077, 5159..5264, 5355..5443, 5690..5833, 5920..6006, 6127..6199, 6505..6617, 6703..6798, 6964..7128		
GI Descrip.	BETA-GALACTOSIDASE PRECURSOR (LACTASE) gi|542198|pir||S41889 beta-galactosidase (EC 3.2.1.23) - garden asparagus gi|452712|emb|CAA54525| (X77319) beta-galactosidase [Asparagus officinalis]		

Seq. No.	23988	Seq. ID	OJ990514_12.0103.C35
Gene No.	50015	Strand	-
Start	1860	End	7128
Name	OJ990514_12.0103.C35.o1.tc	Method	TBLASTX:Cress
Start	1887	End	3448
GI	none	Score	95
Exons	1887..1949, 2084..2209, 2106..2195, 2234..2389, 2256..2390, 2472..2666, 2481..2681, 2635..2682, 2765..2797, 2770..2796, 2798..2860, 2802..2861, 2803..2874, 2804..2872, 2953..3066, 2954..3067, 2954..3067, 3161..3277, 3353..3448		

Seq. No.	23988	Seq. ID	OJ990514_12.0103.C35
Gene No.	50015	Strand	-
Start	1860	End	7128
Name	OJ990514_12.0103.C35.o1.tm	Method	TBLASTX:Maize
Start	2288	End	3690
GI	none	Score	98
Exons	2288..2389, 2289..2387, 2481..2570, 2574..2648, 2583..2687, 2635..2682, 2770..2874, 2771..2869, 2953..3066, 2960..3049, 3161..3271, 3162..3272, 3353..3478, 3354..3446, 3550..3690, 3551..3682		

Seq. No.	23988	Seq. ID	OJ990514_12.0103.C35
Gene No.	50015	Strand	-
Start	1860	End	7128
Name	OJ990514_12.0103.C35.o2.gp	Method	AAT/GAP
Start	2461	End	2988

GI	701771	Score	584
Exons	2461..2687, 2770..2871, 2956..2988		
GI Descrip.	1168654/sp|P45582|BGAL_ASPOF 9.0e-37 BETA-GALACTOSIDASE PRECURSOR (LACTASE) >gi_542198_pir__S41889 beta-galactosidase (EC 3.2.1.23) - garden asparagus >gi_452712_emb_CAA54525_ (X77319) beta-galactosidase [Asparagus officinalis]		

Seq. No.	23988	Seq. ID	OJ990514_12.0103.C35
Gene No.	50015	Strand	-
Start	1860	End	7128
Name	OJ990514_12.0103.C35.o3.gp	Method	AAT/GAP
Start	3375	End	4131
GI	426057	Score	678
Exons	3375..3464, 3547..3717, 4000..4131		
GI Descrip.	1168654/sp|P45582|BGAL_ASPOF 2.0e-28 BETA-GALACTOSIDASE PRECURSOR (LACTASE) >gi_542198_pir__S41889 beta-galactosidase (EC 3.2.1.23) - garden asparagus >gi_452712_emb_CAA54525_ (X77319) beta-galactosidase [Asparagus officinalis]		

Seq. No.	23988	Seq. ID	OJ990514_12.0103.C35
Gene No.	50015	Strand	-
Start	1860	End	7128
Name	OJ990514_12.0103.C35.o2.tc	Method	TBLASTX:Cress
Start	3550	End	7050
GI	none	Score	112
Exons	3550..3711, 3551..3679, 3994..4071, 3997..4167, 3998..4159, 4242..4346, 4249..4383, 4259..4384, 4989..5060, 4989..5054, 4990..5088, 5056..5079, 5058..5093, 5129..5197, 5159..5263, 5160..5252, 5219..5269, 5352..5435, 5354..5443, 5354..5443, 5687..5836, 5691..5834, 5917..6015, 5924..6007, 6124..6198, 6131..6199, 6504..6620, 6505..6618, 6703..6801, 6704..6799, 6964..7050, 6965..7045		

Seq. No.	23988	Seq. ID	OJ990514_12.0103.C35
Gene No.	50015	Strand	-
Start	1860	End	7128
Name	OJ990514_12.0103.C35.o3.tm	Method	TBLASTX:Maize
Start	3995	End	7050
GI	none	Score	128
Exons	3995..4159, 3997..4158, 4249..4383, 4259..4369, 4983..5054, 5023..5064, 5054..5083, 5159..5263, 5160..5261, 5354..5443, 5355..5444, 5681..5836, 5696..5839, 5917..6015, 5918..6013, 6125..6199, 6130..6198, 6133..6216, 6504..6620, 6505..6630, 6505..6621, 6660..6767, 6682..6804, 6688..6801, 6929..6970, 6964..7050, 6965..7048		

Seq. No.	23988	Seq. ID	OJ990514_12.0103.C35
Gene No.	50015	Strand	-
Start	1860	End	7128
Name	OJ990514_12.0103.C35.o1.tw	Method	TBLASTX:Wheat
Start	3997	End	5182
GI	none	Score	110
Exons	3997..4173, 3998..4135, 4249..4383, 4262..4384, 4989..5054, 5057..5083, 5159..5182		

Seq. No.	23988	Seq. ID	OJ990514_12.0103.C35
Gene No.	50015	Strand	-

Start	1860	End	7128
Name	OJ990514_12.0103.C35.o4.gp	Method	AAT/GAP
Start	5543	End	6777
GI	3766558	Score	1104
Exons	5543..5833, 5920..6012, 6133..6199, 6505..6617, 6703..6777		
GI Descrip.	1352078/sp|P48981|BGAL_MALDO 2.0e-74 BETA-GALACTOSIDASE PRECURSOR (LACTASE) (EXO-(1-->4)-BETA-D-GALACTANASE) >gi_507278 (L29451) b-galactosidase-related protein; putative [Malus domestica]		

Seq. No.	23988	Seq. ID	OJ990514_12.0103.C35
Gene No.	50015	Strand	-
Start	1860	End	7128
Name	OJ990514_12.0103.C35.o2.ts	Method	TBLASTX:Soybean
Start	5971	End	7050
GI	none	Score	49
Exons	5971..6015, 5981..6013, 6125..6199, 6130..6198, 6504..6620, 6505..6621, 6703..6801, 6707..6799, 6964..7050, 6968..7045		

Seq. No.	23989	Seq. ID	OJ990514_12.0103.C36
Gene No.	50016	Strand	-
Start	629	End	984
Name	OJ990514_12.0103.C36.o1.gs	Method	GENSCAN
Start	629	End	984
GI	none	Score	.71
Exons	629..721, 813..984		

Seq. No.	23990	Seq. ID	OJ990514_12.0103.C37
Gene No.	50017	Strand	+
Start	1	End	513
Name	OJ990514_12.0103.C37.o1.np	Method	AAT/NAP
Start	1	End	513
GI	4680180	Score	545
Exons	1..513		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23990	Seq. ID	OJ990514_12.0103.C37
Gene No.	50017	Strand	+
Start	1	End	513
Name	OJ990514_12.0103.C37.o1.tm	Method	TBLASTX:Maize
Start	1	End	192
GI	none	Score	252
Exons	1..192, 9..191		

Seq. No.	23990	Seq. ID	OJ990514_12.0103.C37
Gene No.	50017	Strand	+
Start	1	End	513
Name	OJ990514_12.0103.C37.o1.tw	Method	TBLASTX:Wheat
Start	18	End	372
GI	none	Score	346
Exons	18..74, 19..372, 19..261, 120..362		

Seq. No.	23990	Seq. ID	OJ990514_12.0103.C37
Gene No.	50017	Strand	+
Start	1	End	513
Name	OJ990514_12.0103.C37.o1.gs	Method	GENSCAN
Start	70	End	390

GI	none	Score	.85
Exons	70..390		

Seq. No.	23991	Seq. ID	OJ990514_12.0103.C38
Gene No.	50018	Strand	+
Start	158	End	1341
Name	OJ990514_12.0103.C38.o1.gs	Method	GENSCAN
Start	158	End	1341
GI	none	Score	.71
Exons	158..256, 556..607, 1168..1341		

Seq. No.	23992	Seq. ID	OJ990514_12.0103.C39
Gene No.	50019	Strand	+
Start	1175	End	1262
Name	OJ990514_12.0103.C39.o1.gs	Method	GENSCAN
Start	1175	End	1262
GI	none	Score	.53
Exons	1175..1262		

Seq. No.	23992	Seq. ID	OJ990514_12.0103.C39
Gene No.	50020	Strand	-
Start	1	End	3240
Name	OJ990514_12.0103.C39.o2.np	Method	AAT/NAP
Start	1	End	2902
GI	5441880	Score	356
Exons	1..83, 2482..2902		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	23992	Seq. ID	OJ990514_12.0103.C39
Gene No.	50020	Strand	-
Start	1	End	3240
Name	OJ990514_12.0103.C39.o2.gs	Method	GENSCAN
Start	1648	End	3240
GI	none	Score	.41
Exons	1648..1761, 2657..2947, 2980..3054, 3187..3240		

Seq. No.	23992	Seq. ID	OJ990514_12.0103.C39
Gene No.	50020	Strand	-
Start	1	End	3240
Name	OJ990514_12.0103.C39.o1.np	Method	AAT/NAP
Start	1650	End	1761
GI	6006359	Score	65
Exons	1650..1761		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	23992	Seq. ID	OJ990514_12.0103.C39
Gene No.	50021	Strand	-
Start	5426	End	6856
Name	OJ990514_12.0103.C39.o3.gs	Method	GENSCAN
Start	5426	End	6856
GI	none	Score	.87
Exons	5426..5563, 6658..6770, 6850..6856		

Seq. No.	23992	Seq. ID	OJ990514_12.0103.C39
Gene No.	50022	Strand	-

Start	8190	End	9247
Name	OJ990514_12.0103.C39.o4.gs	Method	GENSCAN
Start	8190	End	9247
GI	none	Score	.81
Exons	8190..8813, 9164..9247		

Seq. No.	23993	Seq. ID	OJ990514_12.0103.C40
Gene No.	50023	Strand	-
Start	68	End	596
Name	OJ990514_12.0103.C40.o1.gs	Method	GENSCAN
Start	68	End	596
GI	none	Score	.57
Exons	68..162, 578..596		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50024	Strand	+
Start	578	End	748
Name	OJ990514_12.0103.C41.o1.gp	Method	AAT/GAP
Start	578	End	748
GI	10431_1.R1084	Score	298
Exons	578..748		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50025	Strand	-
Start	2396	End	4337
Name	OJ990514_12.0103.C41.o1.np	Method	AAT/NAP
Start	2396	End	4337
GI	6063554	Score	174
Exons	2396..2571, 3723..3964, 4088..4337		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50026	Strand	-
Start	4737	End	9147
Name	OJ990514_12.0103.C41.o2.np	Method	AAT/NAP
Start	4737	End	9147
GI	4680179	Score	5540
Exons	4737..9147		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o1.tm	Method	TBLASTX:Maize
Start	4923	End	5508
GI	none	Score	104
Exons	4923..5348, 4924..5121, 4944..5189, 5176..5349, 5346..5507, 5353..5508		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o9.tw	Method	TBLASTX:Wheat

Start	4935	End	5061
GI	none	Score	125
Exons	4935..5060, 4936..5061		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o1.tw	Method	TBLASTX:Wheat
Start	5061	End	5687
GI	none	Score	44
Exons	5061..5687, 5062..5121, 5179..5628		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o3.tm	Method	TBLASTX:Maize
Start	5556	End	5847
GI	none	Score	168
Exons	5556..5846, 5559..5846, 5560..5847, 5560..5847		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o2.ts	Method	TBLASTX:Soybean
Start	5646	End	5906
GI	none	Score	91
Exons	5646..5894, 5646..5906, 5647..5895		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o1.tc	Method	TBLASTX:Cress
Start	5670	End	5996
GI	none	Score	86
Exons	5670..5813, 5671..5811, 5814..5996		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o2.tw	Method	TBLASTX:Wheat
Start	5694	End	6233
GI	none	Score	302
Exons	5694..6233, 5698..6051		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o2.tm	Method	TBLASTX:Maize
Start	6261	End	6614
GI	none	Score	192
Exons	6261..6614, 6268..6609, 6276..6614		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o3.tw	Method	TBLASTX:Wheat
Start	6261	End	6686

GI	none	Score	322
Exons	6261..6686, 6268..6684		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o3.ts	Method	TBLASTX:Soybean
Start	6432	End	6677
GI	none	Score	204
Exons	6432..6677		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o5.tm	Method	TBLASTX:Maize
Start	6621	End	6953
GI	none	Score	112
Exons	6621..6953, 6730..6900		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o5.tw	Method	TBLASTX:Wheat
Start	6687	End	6950
GI	none	Score	245
Exons	6687..6950, 6700..6948		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o1.ts	Method	TBLASTX:Soybean
Start	6702	End	7097
GI	none	Score	73
Exons	6702..6953, 6705..6854, 6712..6945, 6918..7058, 7008..7061, 7018..7059, 7065..7097, 7065..7097		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o4.tm	Method	TBLASTX:Maize
Start	7008	End	7455
GI	none	Score	100
Exons	7008..7451, 7018..7455		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o4.tw	Method	TBLASTX:Wheat
Start	7038	End	7521
GI	none	Score	231
Exons	7038..7520, 7041..7517, 7081..7521		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o4.ts	Method	TBLASTX:Soybean
Start	7170	End	7484

GI	none	Score	194
Exons	7170..7484		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o7.tm	Method	TBLASTX:Maize
Start	7456	End	7649
GI	none	Score	156
Exons	7456..7611, 7458..7649		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o7.tw	Method	TBLASTX:Wheat
Start	7653	End	8006
GI	none	Score	239
Exons	7653..8006		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o6.tw	Method	TBLASTX:Wheat
Start	8340	End	8690
GI	none	Score	306
Exons	8340..8690		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o6.tm	Method	TBLASTX:Maize
Start	8385	End	8690
GI	none	Score	245
Exons	8385..8690		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o8.tw	Method	TBLASTX:Wheat
Start	8742	End	8940
GI	none	Score	55
Exons	8742..8915, 8742..8939, 8743..8940		

Seq. No.	23994	Seq. ID	OJ990514_12.0103.C41
Gene No.	50027	Strand	-
Start	9370	End	10167
Name	OJ990514_12.0103.C41.o3.np	Method	AAT/NAP
Start	9370	End	10167
GI	4512231	Score	1324
Exons	9370..10167		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	23995	Seq. ID	OJ990514_12.0103.C42
Gene No.	50028	Strand	-
Start	1	End	283
Name	OJ990514_12.0103.C42.o1.np	Method	AAT/NAP
Start	1	End	283

GI	4512231	Score	333
Exons	1..283		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	23996	Seq. ID	OJ990514_12.0103.C43
Gene No.	50029	Strand	-
Start	334	End	1702
Name	OJ990514_12.0103.C43.o1.gs	Method	GENSCAN
Start	334	End	1702
GI	none	Score	.49
Exons	334..373, 1626..1702		

Seq. No.	23997	Seq. ID	OJ990514_12.0103.C45
Gene No.	50030	Strand	+
Start	70	End	278
Name	OJ990514_12.0103.C45.o1.gs	Method	GENSCAN
Start	70	End	278
GI	none	Score	.53
Exons	70..278		

Seq. No.	23998	Seq. ID	OJ990514_12.0103.C46
Gene No.	50031	Strand	-
Start	148	End	239
Name	OJ990514_12.0103.C46.o1.gs	Method	GENSCAN
Start	148	End	239
GI	none	Score	.7
Exons	148..239		

Seq. No.	23999	Seq. ID	OJ990514_12.0103.C49
Gene No.	50032	Strand	+
Start	582	End	1267
Name	OJ990514_12.0103.C49.o1.gs	Method	GENSCAN
Start	582	End	1267
GI	none	Score	.89
Exons	582..1267		

Seq. No.	24000	Seq. ID	OJ990514_12.0103.C50
Gene No.	50033	Strand	+
Start	3460	End	3919
Name	OJ990514_12.0103.C50.o3.gp	Method	AAT/GAP
Start	3460	End	3919
GI	LIB3432-059-P1-K1-D8	Score	741
Exons	3460..3919		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	24000	Seq. ID	OJ990514_12.0103.C50
Gene No.	50034	Strand	-
Start	1735	End	1826
Name	OJ990514_12.0103.C50.o1.gp	Method	AAT/GAP
Start	1735	End	1826
GI	LIB3477-003-P1-K1-E9	Score	127
Exons	1735..1826		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	24000	Seq. ID	OJ990514_12.0103.C50
Gene No.	50035	Strand	-
Start	3365	End	3456
Name	OJ990514_12.0103.C50.o2.gp	Method	AAT/GAP
Start	3365	End	3456
GI	LIB3477-003-P1-K1-E9	Score	137
Exons	3365..3456		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	24001	Seq. ID	OJ990514_12.0103.C51
Gene No.	50036	Strand	+
Start	344	End	2916
Name	OJ990514_12.0103.C51.o1.gs	Method	GENSCAN
Start	344	End	2916
GI	none	Score	.53
Exons	344..496, 530..668, 721..895, 971..997, 1048..1144, 1354..1427, 1495..1600, 1996..2209, 2405..2518, 2804..2916		

Seq. No.	24001	Seq. ID	OJ990514_12.0103.C51
Gene No.	50037	Strand	-
Start	208	End	3299
Name	OJ990514_12.0103.C51.o1.gp	Method	AAT/GAP
Start	208	End	716
GI	none	Score	677
Exons	208..605, 644..716		

Seq. No.	24001	Seq. ID	OJ990514_12.0103.C51
Gene No.	50037	Strand	-
Start	208	End	3299
Name	OJ990514_12.0103.C51.o1.np	Method	AAT/NAP
Start	399	End	3299
GI	81286	Score	119
Exons	399..857, 1065..1183, 3262..3299		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	24002	Seq. ID	OJ990514_12.0103.C53
Gene No.	50038	Strand	-
Start	22	End	2186
Name	OJ990514_12.0103.C53.o1.gs	Method	GENSCAN
Start	22	End	2186
GI	none	Score	.58
Exons	22..410, 1695..1713, 1964..2186		

Seq. No.	24002	Seq. ID	OJ990514_12.0103.C53
Gene No.	50039	Strand	-
Start	3519	End	5361
Name	OJ990514_12.0103.C53.o2.gs	Method	GENSCAN
Start	3519	End	5361
GI	none	Score	.51
Exons	3519..3589, 3865..3937, 5290..5361		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50040	Strand	+
Start	2412	End	5536

Name	OJ990514_12.0103.C54.o1.np	Method	AAT/NAP
Start	2412	End	5536
GI	5902445	Score	2924
Exons	2412..4228, 4264..5536		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50041	Strand	+
Start	10172	End	10263
Name	OJ990514_12.0103.C54.o4.gs	Method	GENSCAN
Start	10172	End	10263
GI	none	Score	.66
Exons	10172..10263		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-
Start	5663	End	10655
Name	OJ990514_12.0103.C54.o7.tw	Method	TBLASTX:Wheat
Start	687	End	1079
GI	none	Score	57
Exons	687..728, 732..809, 734..793, 852..1079, 884..1078		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-
Start	5663	End	10655
Name	OJ990514_12.0103.C54.o4.tw	Method	TBLASTX:Wheat
Start	1710	End	6325
GI	none	Score	138
Exons	1710..1892, 1718..1891, 1929..2165, 1931..2017, 2090..2155, 6254..6325		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-
Start	5663	End	10655
Name	OJ990514_12.0103.C54.o1.tw	Method	TBLASTX:Wheat
Start	2358	End	2812
GI	none	Score	511
Exons	2358..2810, 2358..2795, 2366..2800, 2465..2812		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-
Start	5663	End	10655
Name	OJ990514_12.0103.C54.o2.ts	Method	TBLASTX:Soybean
Start	2397	End	2762
GI	none	Score	103
Exons	2397..2621, 2625..2762		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-
Start	5663	End	10655
Name	OJ990514_12.0103.C54.o1.tm	Method	TBLASTX:Maize
Start	2487	End	2843
GI	none	Score	384
Exons	2487..2843, 2522..2842		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-

Start	5663	End	10655
Name	OJ990514_12.0103.C54.o3.tm	Method	TBLASTX:Maize
Start	2847	End	3255
GI	none	Score	226
Exons	2847..3104, 3109..3255		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-
Start	5663	End	10655
Name	OJ990514_12.0103.C54.o2.tw	Method	TBLASTX:Wheat
Start	2928	End	3353
GI	none	Score	212
Exons	2928..3107, 2929..3069, 3033..3101, 3038..3106, 3096..3353, 3109..3351		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-
Start	5663	End	10655
Name	OJ990514_12.0103.C54.o1.ts	Method	TBLASTX:Soybean
Start	2982	End	3408
GI	none	Score	134
Exons	2982..3104, 3109..3408		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-
Start	5663	End	10655
Name	OJ990514_12.0103.C54.o6.tw	Method	TBLASTX:Wheat
Start	3498	End	3909
GI	none	Score	206
Exons	3498..3725, 3499..3723, 3733..3849, 3856..3909		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-
Start	5663	End	10655
Name	OJ990514_12.0103.C54.o8.tw	Method	TBLASTX:Wheat
Start	3913	End	4206
GI	none	Score	210
Exons	3913..4206, 3942..4202		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-
Start	5663	End	10655
Name	OJ990514_12.0103.C54.o2.tm	Method	TBLASTX:Maize
Start	4424	End	4717
GI	none	Score	328
Exons	4424..4717, 4450..4716		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-
Start	5663	End	10655
Name	OJ990514_12.0103.C54.o5.tw	Method	TBLASTX:Wheat
Start	4543	End	4897
GI	none	Score	349
Exons	4543..4599, 4544..4897, 4544..4786, 4645..4887		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-

Start	5663	End	10655
Name	OJ990514_12.0103.C54.o3.tw	Method	TBLASTX:Wheat
Start	4923	End	5527
GI	none	Score	53
Exons	4923..5111, 4931..5371, 4933..5022, 5068..5175, 5396..5527, 5401..5526		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-
Start	5663	End	10655
Name	OJ990514_12.0103.C54.o4.tm	Method	TBLASTX:Maize
Start	5240	End	5485
GI	none	Score	141
Exons	5240..5407, 5294..5413, 5398..5457, 5408..5485		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-
Start	5663	End	10655
Name	OJ990514_12.0103.C54.o3.gs	Method	GENSCAN
Start	5663	End	9103
GI	none	Score	.8
Exons	5663..5724, 5818..5889, 6221..6378, 6391..6568, 6673..6818, 6977..7370, 7421..7734, 7794..7852, 7923..8108, 8177..8301, 8470..9103		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-
Start	5663	End	10655
Name	OJ990514_12.0103.C54.o2.np	Method	AAT/NAP
Start	6953	End	9113
GI	6721561	Score	893
Exons	6953..7713, 7794..7852, 7923..8108, 9045..9113		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-
Start	5663	End	10655
Name	OJ990514_12.0103.C54.o3.np	Method	AAT/NAP
Start	7452	End	9103
GI	6721558	Score	230
Exons	7452..7557, 8068..8301, 9004..9103		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	24003	Seq. ID	OJ990514_12.0103.C54
Gene No.	50042	Strand	-
Start	5663	End	10655
Name	OJ990514_12.0103.C54.o4.np	Method	AAT/NAP
Start	8219	End	10655
GI	6721512	Score	79
Exons	8219..8329, 9816..9929, 9958..10056, 10203..10240, 10599..10655		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	24004	Seq. ID	OJ990514_12.0103.C55
Gene No.	50043	Strand	-
Start	2821	End	3610
Name	OJ990514_12.0103.C55.o1.np	Method	AAT/NAP
Start	2821	End	3610
GI	6815099	Score	72
Exons	2821..2942, 3579..3610		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	24005	Seq. ID	OJ990514_12.0103.C56
Gene No.	50044	Strand	+
Start	648	End	1278
Name	OJ990514_12.0103.C56.o1.gs	Method	GENSCAN
Start	648	End	1278
GI	none	Score	.96
Exons	648..861, 1157..1278		

Seq. No.	24005	Seq. ID	OJ990514_12.0103.C56
Gene No.	50045	Strand	+
Start	1184	End	1278
Name	OJ990514_12.0103.C56.o1.gp	Method	AAT/GAP
Start	1184	End	1278
GI	26883_1.R1084	Score	167
Exons	1184..1278		
GI Descrip.	'4191783 1.0e-14 (AC005917) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	24006	Seq. ID	OJ990514_12.0103.C58
Gene No.	50046	Strand	+
Start	1	End	738
Name	OJ990514_12.0103.C58.o1.np	Method	AAT/NAP
Start	1	End	738
GI	6907088	Score	309
Exons	1..224, 661..738		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24006	Seq. ID	OJ990514_12.0103.C58
Gene No.	50046	Strand	+
Start	1	End	738
Name	OJ990514_12.0103.C58.o2.np	Method	AAT/NAP
Start	1	End	738
GI	6069659	Score	105
Exons	1..20, 362..488, 686..738		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	24006	Seq. ID	OJ990514_12.0103.C58
Gene No.	50046	Strand	+
Start	1	End	738
Name	OJ990514_12.0103.C58.o1.gp	Method	AAT/GAP
Start	487	End	678
GI	5667165	Score	356
Exons	487..678		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	24007	Seq. ID	OJ990514_12.0103.C59

Gene No.	50047	Strand	+
Start	1	End	1099
Name	OJ990514_12.0103.C59.o1.np	Method	AAT/NAP
Start	1	End	1099
GI	6681696	Score	369
Exons	1..70, 613..810, 901..1099		
GI Descrip.	(AB017373) Lycopene epsilon cyclase [Gentiana lutea]		

Seq. No.	24007	Seq. ID	OJ990514_12.0103.C59
Gene No.	50047	Strand	+
Start	1	End	1099
Name	OJ990514_12.0103.C59.o1.tc	Method	TBLASTX:Cress
Start	588	End	1044
GI	none	Score	233
Exons	588..806, 636..872, 638..808, 894..995, 899..1033, 914..1039, 922..1044		

Seq. No.	24007	Seq. ID	OJ990514_12.0103.C59
Gene No.	50047	Strand	+
Start	1	End	1099
Name	OJ990514_12.0103.C59.o1.gs	Method	GENSCAN
Start	591	End	1036
GI	none	Score	.49
Exons	591..786, 901..1036		

Seq. No.	24007	Seq. ID	OJ990514_12.0103.C59
Gene No.	50047	Strand	+
Start	1	End	1099
Name	OJ990514_12.0103.C59.o1.tm	Method	TBLASTX:Maize
Start	636	End	795
GI	none	Score	248
Exons	636..794, 637..702, 638..793, 642..794, 646..795		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50048	Strand	+
Start	1	End	5003
Name	OJ990514_12.0103.C60.o1.np	Method	AAT/NAP
Start	1	End	1317
GI	3005983	Score	812
Exons	1..154, 244..351, 440..536, 620..736, 895..1036, 1155..1317		
GI Descrip.	(Y14387) lycopene epsilon-cyclase [Lycopersicon esculentum]		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50048	Strand	+
Start	1	End	5003
Name	OJ990514_12.0103.C60.o1.gs	Method	GENSCAN
Start	271	End	4850
GI	none	Score	.62
Exons	271..351, 440..536, 620..751, 904..1036, 1075..1174, 1940..2082, 2116..2327, 2432..2526, 2647..2768, 2883..3420, 3492..4850		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50048	Strand	+
Start	1	End	5003
Name	OJ990514_12.0103.C60.o2.np	Method	AAT/NAP
Start	2144	End	4928
GI	4337196	Score	1510

Exons	2144..2398, 2479..2526, 2647..2768, 2883..3459, 3498..4168, 4204..4928		
GI Descrip.	(AC006403) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50048	Strand	+
Start	1	End	5003
Name	OJ990514_12.0103.C60.o1.gp	Method	AAT/GAP
Start	2285	End	3247
GI	39908_1.R1084	Score	1160
Exons	2285..2327, 2432..2526, 2647..2768, 2883..3247		
GI Descrip.	'4337196/gb|AAD18110| 1.0e-19 (AC006403) putative serine/threonine receptor kinase [Arabidopsis thaliana]'		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50048	Strand	+
Start	1	End	5003
Name	OJ990514_12.0103.C60.o2.gp	Method	AAT/GAP
Start	3298	End	3755
GI	none	Score	657
Exons	3298..3420, 3492..3755		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50048	Strand	+
Start	1	End	5003
Name	OJ990514_12.0103.C60.o4.gp	Method	AAT/GAP
Start	4633	End	5003
GI	2428853	Score	652
Exons	4633..5003		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50049	Strand	-
Start	3911	End	4969
Name	OJ990514_12.0103.C60.o1.tc	Method	TBLASTX:Cress
Start	2	End	1320
GI	none	Score	160
Exons	2..154, 6..155, 8..154, 241..351, 241..351, 243..353, 437..538, 437..532, 439..537, 615..686, 619..687, 903..1037, 906..1037, 1155..1307, 1155..1319, 1156..1320		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50049	Strand	-
Start	3911	End	4969
Name	OJ990514_12.0103.C60.o3.tm	Method	TBLASTX:Maize
Start	8	End	490
GI	none	Score	242
Exons	8..154, 9..155, 10..156, 10..156, 199..351, 229..354, 233..352, 233..355, 377..490, 437..490		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50049	Strand	-
Start	3911	End	4969
Name	OJ990514_12.0103.C60.o2.ts	Method	TBLASTX:Soybean
Start	62	End	538
GI	none	Score	94
Exons	62..154, 84..155, 241..351, 243..353, 388..537, 437..538		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50049	Strand	-
Start	3911	End	4969
Name	OJ990514_12.0103.C60.o4.tm	Method	TBLASTX:Maize
Start	959	End	1419
GI	none	Score	138
Exons	959..1075, 960..1127, 1132..1326, 1143..1328, 1155..1346, 1339..1419		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50049	Strand	-
Start	3911	End	4969
Name	OJ990514_12.0103.C60.o2.tm	Method	TBLASTX:Maize
Start	2095	End	2999
GI	none	Score	78
Exons	2095..2145, 2111..2206, 2125..2205, 2165..2251, 2168..2311, 2185..2310, 2433..2528, 2437..2529, 2442..2528, 2443..2529, 2644..2781, 2647..2769, 2697..2783, 2880..2999, 2881..2994		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50049	Strand	-
Start	3911	End	4969
Name	OJ990514_12.0103.C60.o5.tm	Method	TBLASTX:Maize
Start	3138	End	3986
GI	none	Score	67
Exons	3138..3215, 3139..3180, 3301..3372, 3301..3384, 3359..3448, 3540..3584, 3822..3986, 3935..3985		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50049	Strand	-
Start	3911	End	4969
Name	OJ990514_12.0103.C60.o1.ts	Method	TBLASTX:Soybean
Start	3840	End	4284
GI	none	Score	428
Exons	3840..4172, 3935..4117, 4258..4284		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50049	Strand	-
Start	3911	End	4969
Name	OJ990514_12.0103.C60.o3.gp	Method	AAT/GAP
Start	3911	End	4533
GI	45205_1.R1084	Score	951
Exons	3911..4533		
GI Descrip.	'4337196/gb|AAD18110| 5.0e-94 (AC006403) putative serine/threonine receptor kinase [Arabidopsis thaliana]'		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50049	Strand	-
Start	3911	End	4969
Name	OJ990514_12.0103.C60.o3.tc	Method	TBLASTX:Cress
Start	3956	End	4314
GI	none	Score	109
Exons	3956..4030, 3960..4031, 4028..4117, 4029..4169, 4258..4314		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50049	Strand	-
Start	3911	End	4969

Name	OJ990514_12.0103.C60.o1.tm	Method	TBLASTX:Maize
Start	3986	End	4969
GI	none	Score	286
Exons	3986..4117, 3987..4169, 4216..4311, 4258..4314, 4260..4313, 4304..4735, 4305..4739, 4803..4850, 4820..4849, 4946..4969, 4946..4969		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50049	Strand	-
Start	3911	End	4969
Name	OJ990514_12.0103.C60.o2.tc	Method	TBLASTX:Cress
Start	4376	End	4736
GI	none	Score	110
Exons	4376..4477, 4377..4478, 4478..4735, 4479..4736		

Seq. No.	24008	Seq. ID	OJ990514_12.0103.C60
Gene No.	50049	Strand	-
Start	3911	End	4969
Name	OJ990514_12.0103.C60.o3.ts	Method	TBLASTX:Soybean
Start	4515	End	4733
GI	none	Score	245
Exons	4515..4733, 4517..4726		

Seq. No.	24009	Seq. ID	OJ990514_12.0103.C61
Gene No.	50050	Strand	+
Start	229	End	824
Name	OJ990514_12.0103.C61.o1.gs	Method	GENSCAN
Start	229	End	824
GI	none	Score	.68
Exons	229..289, 327..618, 743..824		

Seq. No.	24009	Seq. ID	OJ990514_12.0103.C61
Gene No.	50051	Strand	+
Start	1992	End	3440
Name	OJ990514_12.0103.C61.o2.gs	Method	GENSCAN
Start	1992	End	3440
GI	none	Score	.85
Exons	1992..2088, 2938..3440		

Seq. No.	24010	Seq. ID	OJ990514_12.0103.C62
Gene No.	50052	Strand	-
Start	1	End	2215
Name	OJ990514_12.0103.C62.o1.np	Method	AAT/NAP
Start	1	End	1452
GI	6907086	Score	1220
Exons	1..152, 379..629, 690..1452		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24010	Seq. ID	OJ990514_12.0103.C62
Gene No.	50052	Strand	-
Start	1	End	2215
Name	OJ990514_12.0103.C62.o1.gs	Method	GENSCAN
Start	36	End	128
GI	none	Score	.66
Exons	36..128		

Seq. No.	24010	Seq. ID	OJ990514_12.0103.C62

Gene No.	50052	Strand	-
Start	1	End	2215
Name	OJ990514_12.0103.C62.o2.gs	Method	GENSCAN
Start	715	End	2215
GI	none	Score	.5
Exons	715..1155, 2189..2215		

Seq. No.	24010	Seq. ID	OJ990514_12.0103.C62
Gene No.	50052	Strand	-
Start	1	End	2215
Name	OJ990514_12.0103.C62.o1.gp	Method	AAT/GAP
Start	1540	End	1731
GI	5667165	Score	356
Exons	1540..1731		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	24011	Seq. ID	OJ990514_12.0103.C63
Gene No.	50053	Strand	+
Start	276	End	545
Name	OJ990514_12.0103.C63.o1.gs	Method	GENSCAN
Start	276	End	545
GI	none	Score	.92
Exons	276..394, 536..545		

Seq. No.	24012	Seq. ID	OJ990514_12.0103.C64
Gene No.	50054	Strand	-
Start	1	End	680
Name	OJ990514_12.0103.C64.o1.np	Method	AAT/NAP
Start	1	End	680
GI	100489	Score	381
Exons	1..680		
GI Descrip.	transposase Tam3 - garden snapdragon transposon Tam3 gi|16064|emb|CAA38906| (X55078) Tam3-transposase [Antirrhinum majus] gi|3219237|dbj|BAA28817.1| (AB013982) transposase [Antirrhinum majus] gi|3219239|dbj|BAA28818.1| (AB013983) transposase [Antirrhinum majus] gi|3219241|dbj|BAA28819.1| (AB013984) transposase [Antirrhinum majus] gi|3219244|dbj|BAA28820.1| (AB013986) transpo		

Seq. No.	24012	Seq. ID	OJ990514_12.0103.C64
Gene No.	50054	Strand	-
Start	1	End	680
Name	OJ990514_12.0103.C64.o1.tm	Method	TBLASTX:Maize
Start	9	End	323
GI	none	Score	100
Exons	9..236, 13..228, 249..323		

Seq. No.	24012	Seq. ID	OJ990514_12.0103.C64
Gene No.	50054	Strand	-
Start	1	End	680
Name	OJ990514_12.0103.C64.o1.gp	Method	AAT/GAP
Start	14	End	522
GI	uC-osflcyp110c07b1	Score	958
Exons	14..522		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2		

retrotransposon, complete sequences; and unknown genes'

Seq. No.	24012	Seq. ID	OJ990514_12.0103.C64
Gene No.	50054	Strand	-
Start	1	End	680
Name	OJ990514_12.0103.C64.o1.gs	Method	GENSCAN
Start	65	End	182
GI	none	Score	.85
Exons	65..182		

Seq. No.	24012	Seq. ID	OJ990514_12.0103.C64
Gene No.	50054	Strand	-
Start	1	End	680
Name	OJ990514_12.0103.C64.o2.tm	Method	TBLASTX:Maize
Start	330	End	611
GI	none	Score	256
Exons	330..611		

Seq. No.	24013	Seq. ID	OJ990514_12.0103.C65
Gene No.	50055	Strand	+
Start	115	End	1241
Name	OJ990514_12.0103.C65.o1.gs	Method	GENSCAN
Start	115	End	1241
GI	none	Score	.96
Exons	115..190, 533..675, 912..1241		

Seq. No.	24013	Seq. ID	OJ990514_12.0103.C65
Gene No.	50055	Strand	+
Start	115	End	1241
Name	OJ990514_12.0103.C65.o1.np	Method	AAT/NAP
Start	881	End	1127
GI	5803260	Score	117
Exons	881..1127		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	24014	Seq. ID	OJ990514_12.0103.C67
Gene No.	50056	Strand	-
Start	1998	End	2475
Name	OJ990514_12.0103.C67.o2.gs	Method	GENSCAN
Start	1998	End	2475
GI	none	Score	.42
Exons	1998..2159, 2341..2475		

Seq. No.	24014	Seq. ID	OJ990514_12.0103.C67
Gene No.	50057	Strand	-
Start	5839	End	6011
Name	OJ990514_12.0103.C67.o3.gs	Method	GENSCAN
Start	5839	End	6011
GI	none	Score	.82
Exons	5839..6011		

Seq. No.	24015	Seq. ID	OJ990514_12.0103.C70
Gene No.	50058	Strand	-
Start	334	End	478
Name	OJ990514_12.0103.C70.o1.gs	Method	GENSCAN
Start	334	End	478
GI	none	Score	.97

Exons	334..478		
Seq. No.	24016	Seq. ID	OJ990514_12.0103.C72
Gene No.	50059	Strand	-
Start	1	End	718
Name	OJ990514_12.0103.C72.o1.np	Method	AAT/NAP
Start	1	End	570
GI	6721561	Score	167
Exons	1..27, 98..283, 502..570		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	24016	Seq. ID	OJ990514_12.0103.C72
Gene No.	50059	Strand	-
Start	1	End	718
Name	OJ990514_12.0103.C72.o2.np	Method	AAT/NAP
Start	48	End	718
GI	6721558	Score	100
Exons	48..146, 243..517, 681..718		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	24016	Seq. ID	OJ990514_12.0103.C72
Gene No.	50059	Strand	-
Start	1	End	718
Name	OJ990514_12.0103.C72.o1.gs	Method	GENSCAN
Start	98	End	476
GI	none	Score	.96
Exons	98..283, 352..476		
Seq. No.	24017	Seq. ID	OJ990514_12.0103.C73
Gene No.	50060	Strand	-
Start	5	End	100
Name	OJ990514_12.0103.C73.o1.gs	Method	GENSCAN
Start	5	End	100
GI	none	Score	.97
Exons	5..100		
Seq. No.	24018	Seq. ID	OJ990924_11.0103.C1
Gene No.	50061	Strand	+
Start	1	End	5734
Name	OJ990924_11.0103.C1.o1.np	Method	AAT/NAP
Start	1	End	5734
GI	6634483	Score	335
Exons	1..273, 491..570, 669..885, 5636..5734		
GI Descrip.	(X96681) DNA-binding protein [Oryza sativa] gi|6635777|gb|AAF19980.1|AF211193_1 (AF211193) homeodomain-leucine zipper transcription factor [Oryza sativa]		
Seq. No.	24018	Seq. ID	OJ990924_11.0103.C1
Gene No.	50061	Strand	+
Start	1	End	5734
Name	OJ990924_11.0103.C1.o1.gs	Method	GENSCAN

Start	88	End	942
GI	none	Score	.96
Exons	88..273, 491..570, 669..942		

Seq. No.	24018	Seq. ID	OJ990924_11.0103.C1
Gene No.	50062	Strand	+
Start	10048	End	11557
Name	OJ990924_11.0103.C1.o2.np	Method	AAT/NAP
Start	10048	End	11557
GI	6680257	Score	35
Exons	10048..10073, 11392..11557		
GI Descrip.	homeo box D11 gi|871428|emb|CAA42943| (X60395) Hox-4.6 [Mus musculus]		

Seq. No.	24018	Seq. ID	OJ990924_11.0103.C1
Gene No.	50063	Strand	-
Start	4238	End	5513
Name	OJ990924_11.0103.C1.o2.gs	Method	GENSCAN
Start	4238	End	5513
GI	none	Score	.68
Exons	4238..4275, 4691..4848, 4948..5162, 5259..5513		

Seq. No.	24018	Seq. ID	OJ990924_11.0103.C1
Gene No.	50064	Strand	-
Start	6481	End	10313
Name	OJ990924_11.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	192	End	882
GI	none	Score	91
Exons	192..266, 193..270, 494..571, 529..570, 661..780, 666..719, 844..882		

Seq. No.	24018	Seq. ID	OJ990924_11.0103.C1
Gene No.	50064	Strand	-
Start	6481	End	10313
Name	OJ990924_11.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	196	End	780
GI	none	Score	87
Exons	196..270, 494..571, 529..570, 661..780, 666..719		

Seq. No.	24018	Seq. ID	OJ990924_11.0103.C1
Gene No.	50064	Strand	-
Start	6481	End	10313
Name	OJ990924_11.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	473	End	780
GI	none	Score	114
Exons	473..571, 529..570, 661..780, 666..719		

Seq. No.	24018	Seq. ID	OJ990924_11.0103.C1
Gene No.	50064	Strand	-
Start	6481	End	10313
Name	OJ990924_11.0103.C1.o3.gs	Method	GENSCAN
Start	6481	End	10313
GI	none	Score	.51
Exons	6481..6528, 7818..7945, 7957..8074, 8116..8170, 8181..8391, 8602..8658, 9791..9945, 10240..10313		

Seq. No.	24019	Seq. ID	OJ990924_11.0103.C2

Gene No.	50065	Strand	+
Start	1	End	3901
Name	OJ990924_11.0103.C2.o1.np	Method	AAT/NAP
Start	1	End	3901
GI	4539301	Score	616
Exons	1..30, 1469..1670, 1715..2551, 3873..3901		
GI Descrip.	(AL049480) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	24019	Seq. ID	OJ990924_11.0103.C2
Gene No.	50065	Strand	+
Start	1	End	3901
Name	OJ990924_11.0103.C2.o1.gs	Method	GENSCAN
Start	213	End	839
GI	none	Score	.73
Exons	213..394, 725..839		

Seq. No.	24019	Seq. ID	OJ990924_11.0103.C2
Gene No.	50065	Strand	+
Start	1	End	3901
Name	OJ990924_11.0103.C2.o2.gs	Method	GENSCAN
Start	1273	End	2787
GI	none	Score	.64
Exons	1273..2787		

Seq. No.	24019	Seq. ID	OJ990924_11.0103.C2
Gene No.	50066	Strand	-
Start	4047	End	11363
Name	OJ990924_11.0103.C2.o2.np	Method	AAT/NAP
Start	4047	End	11363
GI	4539301	Score	649
Exons	4047..4071, 5592..6065, 6110..6473, 6501..6666, 6697..6898, 11338..11363		
GI Descrip.	(AL049480) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	24019	Seq. ID	OJ990924_11.0103.C2
Gene No.	50066	Strand	-
Start	4047	End	11363
Name	OJ990924_11.0103.C2.o3.gs	Method	GENSCAN
Start	5572	End	7098
GI	none	Score	1
Exons	5572..7098		

Seq. No.	24019	Seq. ID	OJ990924_11.0103.C2
Gene No.	50066	Strand	-
Start	4047	End	11363
Name	OJ990924_11.0103.C2.o1.gp	Method	AAT/GAP
Start	6347	End	6798
GI	3760307	Score	842
Exons	6347..6798		

Seq. No.	24019	Seq. ID	OJ990924_11.0103.C2
Gene No.	50067	Strand	-
Start	11294	End	11592
Name	OJ990924_11.0103.C2.o2.tm	Method	TBLASTX:Maize
Start	1417	End	6913
GI	none	Score	83
Exons	1417..1491, 1494..1634, 1495..1638, 6730..6771, 6731..6913,		

6838..6912

Seq. No.	24019	Seq. ID	OJ990924_11.0103.C2
Gene No.	50067	Strand	-
Start	11294	End	11592
Name	OJ990924_11.0103.C2.o1.ts	Method	TBLASTX:Soybean
Start	1753	End	7086
GI	none	Score	95
Exons	1753..1872, 1897..2265, 2022..2102, 2338..2538, 2356..2532, 5596..5736, 5770..5988, 5789..5992, 6109..6456, 6119..6433, 7003..7086		

Seq. No.	24019	Seq. ID	OJ990924_11.0103.C2
Gene No.	50067	Strand	-
Start	11294	End	11592
Name	OJ990924_11.0103.C2.o1.tm	Method	TBLASTX:Maize
Start	1876	End	6465
GI	none	Score	394
Exons	1876..2271, 2019..2102, 2338..2454, 2340..2423, 2356..2451, 5848..5964, 5849..6001, 6109..6465, 6242..6451		

Seq. No.	24019	Seq. ID	OJ990924_11.0103.C2
Gene No.	50067	Strand	-
Start	11294	End	11592
Name	OJ990924_11.0103.C2.o1.tc	Method	TBLASTX:Cress
Start	2338	End	5964
GI	none	Score	244
Exons	2338..2538, 5584..5727, 5767..5964, 5834..5962		

Seq. No.	24019	Seq. ID	OJ990924_11.0103.C2
Gene No.	50067	Strand	-
Start	11294	End	11592
Name	OJ990924_11.0103.C2.o1.tw	Method	TBLASTX:Wheat
Start	2338	End	5982
GI	none	Score	229
Exons	2338..2538, 2338..2538, 5767..5982, 5810..5962		

Seq. No.	24019	Seq. ID	OJ990924_11.0103.C2
Gene No.	50067	Strand	-
Start	11294	End	11592
Name	OJ990924_11.0103.C2.o4.gs	Method	GENSCAN
Start	11294	End	11592
GI	none	Score	.44
Exons	11294..11438, 11558..11592		

Seq. No.	24020	Seq. ID	OJ990924_11.0103.C3
Gene No.	50068	Strand	+
Start	56	End	2360
Name	OJ990924_11.0103.C3.o1.np	Method	AAT/NAP
Start	56	End	1894
GI	3372230	Score	384
Exons	56..134, 379..536, 877..972, 1790..1894		
GI Descrip.	(AF017074) RNA polymerase I, II and III 16.5 kDa subunit [Arabidopsis thaliana] gi|4585968|gb|AAD25604.1|AC005287_6 (AC005287) RNA polymerase I, II and III 16.5 kDa subunit [Arabidopsis thaliana]		

Seq. No.	24020	Seq. ID	OJ990924_11.0103.C3
Gene No.	50068	Strand	+
Start	56	End	2360
Name	OJ990924_11.0103.C3.o1.gp	Method	AAT/GAP
Start	57	End	989
GI	60175_1.R1084	Score	564
Exons	57..134, 379..536, 877..989		
GI Descrip.	'3372230 4.0e-32 (AF017074) RNA polymerase I, II and III 16.5 kDa subunit [Arabidopsis thaliana] >gi_4585968_gb_AAD25604.1_AC005287_6 (AC005287) RNA polymerase I, II and III 16.5 kDa subunit [Arabidopsis thaliana]'		

Seq. No.	24020	Seq. ID	OJ990924_11.0103.C3
Gene No.	50068	Strand	+
Start	56	End	2360
Name	OJ990924_11.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	79	End	1897
GI	none	Score	72
Exons	79..132, 80..133, 374..532, 378..536, 431..538, 822..926, 872..949, 873..947, 874..993, 874..978, 1785..1895, 1786..1896, 1786..1896, 1787..1897, 1787..1897		

Seq. No.	24020	Seq. ID	OJ990924_11.0103.C3
Gene No.	50068	Strand	+
Start	56	End	2360
Name	OJ990924_11.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	374	End	1915
GI	none	Score	200
Exons	374..532, 378..539, 874..966, 1786..1875, 1786..1893, 1787..1915		

Seq. No.	24020	Seq. ID	OJ990924_11.0103.C3
Gene No.	50068	Strand	+
Start	56	End	2360
Name	OJ990924_11.0103.C3.o1.gs	Method	GENSCAN
Start	379	End	2360
GI	none	Score	.8
Exons	379..536, 877..974, 2204..2360		

Seq. No.	24020	Seq. ID	OJ990924_11.0103.C3
Gene No.	50068	Strand	+
Start	56	End	2360
Name	OJ990924_11.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	850	End	2018
GI	none	Score	141
Exons	850..957, 875..955, 1785..1931, 1786..1935, 1787..1918, 1983..2018		

Seq. No.	24021	Seq. ID	OJ990924_11.0103.C4
Gene No.	50069	Strand	+
Start	1	End	1825
Name	OJ990924_11.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	1825
GI	5852093	Score	99
Exons	1..110, 1755..1825		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	24021	Seq. ID	OJ990924_11.0103.C4

Gene No.	50069	Strand	+
Start	1	End	1825
Name	OJ990924_11.0103.C4.o1.gs	Method	GENSCAN
Start	470	End	796
GI	none	Score	.67
Exons	470..796		

Seq. No.	24021	Seq. ID	OJ990924_11.0103.C4
Gene No.	50070	Strand	-
Start	869	End	3894
Name	OJ990924_11.0103.C4.o1.gp	Method	AAT/GAP
Start	869	End	1429
GI	3760287	Score	1044
Exons	869..1429		
GI Descrip.	4490304/emb|CAB38795.1| 2.0e-25 (AL035678) putative protein [Arabidopsis thaliana]		

Seq. No.	24021	Seq. ID	OJ990924_11.0103.C4
Gene No.	50070	Strand	-
Start	869	End	3894
Name	OJ990924_11.0103.C4.o2.gs	Method	GENSCAN
Start	1143	End	3894
GI	none	Score	.98
Exons	1143..2010, 2903..3894		

Seq. No.	24021	Seq. ID	OJ990924_11.0103.C4
Gene No.	50070	Strand	-
Start	869	End	3894
Name	OJ990924_11.0103.C4.o2.np	Method	AAT/NAP
Start	1146	End	3837
GI	4490304	Score	1961
Exons	1146..2010, 2903..3587, 3759..3837		
GI Descrip.	(AL035678) putative protein [Arabidopsis thaliana]		

Seq. No.	24021	Seq. ID	OJ990924_11.0103.C4
Gene No.	50071	Strand	-
Start	4844	End	6955
Name	OJ990924_11.0103.C4.o4.tm	Method	TBLASTX:Maize
Start	1141	End	1298
GI	none	Score	85
Exons	1141..1296, 1143..1298, 1174..1287, 1241..1297		

Seq. No.	24021	Seq. ID	OJ990924_11.0103.C4
Gene No.	50071	Strand	-
Start	4844	End	6955
Name	OJ990924_11.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	1326	End	1878
GI	none	Score	394
Exons	1326..1877, 1326..1877, 1336..1878		

Seq. No.	24021	Seq. ID	OJ990924_11.0103.C4
Gene No.	50071	Strand	-
Start	4844	End	6955
Name	OJ990924_11.0103.C4.o3.ts	Method	TBLASTX:Soybean
Start	1335	End	1931
GI	none	Score	70
Exons	1335..1388, 1407..1625, 1423..1638, 1473..1721, 1737..1931,		

1771..1902

Seq. No.	24021	Seq. ID	OJ990924_11.0103.C4
Gene No.	50071	Strand	-
Start	4844	End	6955
Name	OJ990924_11.0103.C4.o1.tc	Method	TBLASTX:Cress
Start	1380	End	3024
GI	none	Score	88
Exons	1380..1643, 1401..1721, 1411..1743, 1743..1922, 1750..1923, 1938..2024, 2914..3024		

Seq. No.	24021	Seq. ID	OJ990924_11.0103.C4
Gene No.	50071	Strand	-
Start	4844	End	6955
Name	OJ990924_11.0103.C4.o1.tw	Method	TBLASTX:Wheat
Start	1426	End	3054
GI	none	Score	79
Exons	1426..1647, 1473..1721, 1827..2012, 2893..3054, 2894..3034		

Seq. No.	24021	Seq. ID	OJ990924_11.0103.C4
Gene No.	50071	Strand	-
Start	4844	End	6955
Name	OJ990924_11.0103.C4.o5.tm	Method	TBLASTX:Maize
Start	1884	End	3459
GI	none	Score	123
Exons	1884..2054, 3208..3438, 3224..3322, 3286..3459		

Seq. No.	24021	Seq. ID	OJ990924_11.0103.C4
Gene No.	50071	Strand	-
Start	4844	End	6955
Name	OJ990924_11.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	1932	End	3187
GI	none	Score	98
Exons	1932..2012, 1933..2025, 2896..3186, 2898..2975, 2900..3187		

Seq. No.	24021	Seq. ID	OJ990924_11.0103.C4
Gene No.	50071	Strand	-
Start	4844	End	6955
Name	OJ990924_11.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	2953	End	3208
GI	none	Score	327
Exons	2953..3207, 2954..3208		

Seq. No.	24021	Seq. ID	OJ990924_11.0103.C4
Gene No.	50071	Strand	-
Start	4844	End	6955
Name	OJ990924_11.0103.C4.o2.tc	Method	TBLASTX:Cress
Start	3080	End	3438
GI	none	Score	45
Exons	3080..3175, 3094..3150, 3205..3438, 3224..3322		

Seq. No.	24021	Seq. ID	OJ990924_11.0103.C4
Gene No.	50071	Strand	-
Start	4844	End	6955
Name	OJ990924_11.0103.C4.o2.ts	Method	TBLASTX:Soybean
Start	3196	End	3438
GI	none	Score	189

Exons	3196..3438, 3197..3418, 3238..3438		
Seq. No.	24021	Seq. ID	OJ990924_11.0103.C4
Gene No.	50071	Strand	-
Start	4844	End	6955
Name	OJ990924_11.0103.C4.o3.tm	Method	TBLASTX:Maize
Start	3481	End	3831
GI	none	Score	109
Exons	3481..3675, 3482..3676, 3759..3788, 3763..3792, 3799..3831		
Seq. No.	24021	Seq. ID	OJ990924_11.0103.C4
Gene No.	50071	Strand	-
Start	4844	End	6955
Name	OJ990924_11.0103.C4.o3.gs	Method	GENSCAN
Start	4844	End	6955
GI	none	Score	.58
Exons	4844..5221, 5290..5361, 5414..5508, 5551..5717, 6121..6194, 6786..6955		
Seq. No.	24022	Seq. ID	OJ990924_11.0103.C5
Gene No.	50072	Strand	+
Start	2706	End	4014
Name	OJ990924_11.0103.C5.o1.gp	Method	AAT/GAP
Start	2593	End	3384
GI	17499_1.R1084	Score	1203
Exons	2593..2960, 3036..3229, 3320..3384		
GI Descrip.	'1890575/emb|CAA63662| 3.0e-79 (X93174) xyloglucan endotransglycosylase (XET) [Hordeum vulgare]'		
Seq. No.	24022	Seq. ID	OJ990924_11.0103.C5
Gene No.	50072	Strand	+
Start	2706	End	4014
Name	OJ990924_11.0103.C5.o1.np	Method	AAT/NAP
Start	2697	End	3740
GI	1890575	Score	1304
Exons	2697..2960, 3036..3229, 3320..3740		
GI Descrip.	(X93174) xyloglucan endotransglycosylase (XET) [Hordeum vulgare]		
Seq. No.	24022	Seq. ID	OJ990924_11.0103.C5
Gene No.	50072	Strand	+
Start	2706	End	4014
Name	OJ990924_11.0103.C5.o1.gs	Method	GENSCAN
Start	2706	End	3840
GI	none	Score	.86
Exons	2706..3008, 3048..3229, 3320..3655, 3717..3840		
Seq. No.	24022	Seq. ID	OJ990924_11.0103.C5
Gene No.	50072	Strand	+
Start	2706	End	4014
Name	OJ990924_11.0103.C5.o2.gp	Method	AAT/GAP
Start	3382	End	4014
GI	34991_1.R1084	Score	918
Exons	3382..4014		
GI Descrip.	'1890575/emb|CAA63662| 2.0e-19 (X93174) xyloglucan endotransglycosylase (XET) [Hordeum vulgare]'		
Seq. No.	24022	Seq. ID	OJ990924_11.0103.C5

Gene No.	50073	Strand	+
Start	5166	End	5633
Name	OJ990924_11.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	2757	End	3745
GI	none	Score	275
Exons	2757..2963, 2762..2941, 3036..3230, 3041..3229, 3311..3535, 3321..3536, 3612..3734, 3623..3745		

Seq. No.	24022	Seq. ID	OJ990924_11.0103.C5
Gene No.	50073	Strand	+
Start	5166	End	5633
Name	OJ990924_11.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	2762	End	3734
GI	none	Score	290
Exons	2762..2941, 2763..2966, 3036..3230, 3038..3217, 3294..3470, 3321..3536, 3326..3535, 3612..3734, 3623..3733		

Seq. No.	24022	Seq. ID	OJ990924_11.0103.C5
Gene No.	50073	Strand	+
Start	5166	End	5633
Name	OJ990924_11.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	2762	End	3734
GI	none	Score	299
Exons	2762..2941, 2763..2966, 3036..3230, 3038..3217, 3311..3523, 3321..3524, 3612..3734, 3620..3733		

Seq. No.	24022	Seq. ID	OJ990924_11.0103.C5
Gene No.	50073	Strand	+
Start	5166	End	5633
Name	OJ990924_11.0103.C5.o2.gs	Method	GENSCAN
Start	5166	End	5633
GI	none	Score	.96
Exons	5166..5262, 5356..5633		

Seq. No.	24023	Seq. ID	OJ990924_11.0103.C6
Gene No.	50074	Strand	+
Start	1575	End	2595
Name	OJ990924_11.0103.C6.o1.np	Method	AAT/NAP
Start	1575	End	2595
GI	5777617	Score	71
Exons	1575..1684, 2134..2226, 2497..2595		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	24023	Seq. ID	OJ990924_11.0103.C6
Gene No.	50075	Strand	+
Start	19330	End	22638
Name	OJ990924_11.0103.C6.o6.gs	Method	GENSCAN
Start	19330	End	22638
GI	none	Score	.6
Exons	19330..19379, 19471..19558, 19612..19796, 20970..21251, 22238..22373, 22488..22638		

Seq. No.	24023	Seq. ID	OJ990924_11.0103.C6
Gene No.	50075	Strand	+
Start	19330	End	22638
Name	OJ990924_11.0103.C6.o4.gp	Method	AAT/GAP
Start	19805	End	20577

GI	4107141	Score	1239
Exons	19805..19837, 19860..20577		

Seq. No.	24023	Seq. ID	OJ990924_11.0103.C6
Gene No.	50076	Strand	+
Start	25441	End	29079
Name	OJ990924_11.0103.C6.o8.gs	Method	GENSCAN
Start	25441	End	29079
GI	none	Score	.78
Exons	25441..25492, 25948..26093, 26927..26971, 27760..27939, 28028..29079		

Seq. No.	24023	Seq. ID	OJ990924_11.0103.C6
Gene No.	50077	Strand	-
Start	5870	End	7602
Name	OJ990924_11.0103.C6.o2.gs	Method	GENSCAN
Start	5870	End	7602
GI	none	Score	.88
Exons	5870..6254, 6699..6880, 6953..7383, 7455..7602		

Seq. No.	24023	Seq. ID	OJ990924_11.0103.C6
Gene No.	50077	Strand	-
Start	5870	End	7602
Name	OJ990924_11.0103.C6.o1.gp	Method	AAT/GAP
Start	6788	End	7331
GI	LIB3431-049-P1-N1-A8	Score	856
Exons	6788..6892, 6983..7331		
GI Descrip.	'1890577/emb|CAA63663| 2.0e-20 (X93175) xyloglucan endotransglycosylase (XET) [Hordeum vulgare]'		

Seq. No.	24023	Seq. ID	OJ990924_11.0103.C6
Gene No.	50078	Strand	-
Start	11978	End	14996
Name	OJ990924_11.0103.C6.o4.gs	Method	GENSCAN
Start	11978	End	14996
GI	none	Score	.72
Exons	11978..12235, 12615..12738, 12987..13388, 13694..13887, 14697..14996		

Seq. No.	24023	Seq. ID	OJ990924_11.0103.C6
Gene No.	50079	Strand	-
Start	17885	End	19110
Name	OJ990924_11.0103.C6.o2.gp	Method	AAT/GAP
Start	17861	End	18155
GI	5005380	Score	532
Exons	17861..18155		
GI Descrip.	1890577/emb|CAA63663| 2.0e-20 (X93175) xyloglucan endotransglycosylase (XET) [Hordeum vulgare]		

Seq. No.	24023	Seq. ID	OJ990924_11.0103.C6
Gene No.	50079	Strand	-
Start	17885	End	19110
Name	OJ990924_11.0103.C6.o5.gs	Method	GENSCAN
Start	17885	End	19022
GI	none	Score	.9
Exons	17885..18311, 18434..18615, 18762..19022		

Seq. No.	24023	Seq. ID	OJ990924_11.0103.C6
Gene No.	50079	Strand	-
Start	17885	End	19110
Name	OJ990924_11.0103.C6.o2.np	Method	AAT/NAP
Start	17888	End	19022
GI	1890577	Score	1299
Exons	17888..18311, 18434..18627, 18762..19022		
GI Descrip.	(X93175) xyloglucan endotransglycosylase (XET) [Hordeum vulgare]		

Seq. No.	24023	Seq. ID	OJ990924_11.0103.C6
Gene No.	50079	Strand	-
Start	17885	End	19110
Name	OJ990924_11.0103.C6.o3.gp	Method	AAT/GAP
Start	18185	End	19110
GI	17499_2.R1084	Score	1271
Exons	18185..18311, 18434..18627, 18762..19110		
GI Descrip.	'1890577/emb|CAA63663| 2.0e-97 (X93175) xyloglucan endotransglycosylase (XET) [Hordeum vulgare]'		

Seq. No.	24023	Seq. ID	OJ990924_11.0103.C6
Gene No.	50080	Strand	-
Start	21059	End	21358
Name	OJ990924_11.0103.C6.o5.gp	Method	AAT/GAP
Start	21059	End	21358
GI	2280891	Score	544
Exons	21059..21358		

Seq. No.	24023	Seq. ID	OJ990924_11.0103.C6
Gene No.	50081	Strand	-
Start	23305	End	23960
Name	OJ990924_11.0103.C6.o1.ts	Method	TBLASTX:Soybean
Start	5862	End	19032
GI	none	Score	85
Exons	5862..5999, 5864..5998, 6050..6115, 6078..6119, 6119..6199, 6120..6200, 6206..6253, 6695..6751, 6743..6892, 6747..6857, 6980..7201, 6996..7181, 13001..13090, 13181..13381, 13218..13256, 13257..13379, 13693..13746, 13694..13747, 13741..13887, 13742..13876, 14691..14894, 15020..15040, 15155..15184, 17876..18019, 17895..18020, 18092..18175, 18179..18310, 18180..18314, 18433..18486, 18475..18609, 18533..18625, 18654..18698, 18714..18980, 18772..18855, 18910..19032		

Seq. No.	24023	Seq. ID	OJ990924_11.0103.C6
Gene No.	50081	Strand	-
Start	23305	End	23960
Name	OJ990924_11.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	5876	End	18978
GI	none	Score	83
Exons	5876..5995, 5882..5995, 5883..5996, 5883..5996, 5949..6104, 5960..6196, 6003..6197, 6218..6253, 6225..6254, 6695..6907, 6701..6739, 6705..6857, 6806..6862, 6980..7198, 6984..7181, 7025..7240, 7090..7242, 12998..13090, 13202..13384, 13209..13379, 13693..13887, 13706..13876, 14691..14894, 17897..18019, 17898..17969, 18092..18310, 18117..18305, 18433..18612, 18538..18633, 18539..18673, 18573..18623, 18714..18977, 18763..18852, 18804..18977, 18910..18978		

Seq. No.	24023	Seq. ID	OJ990924_11.0103.C6
Gene No.	50081	Strand	-
Start	23305	End	23960
Name	OJ990924_11.0103.C6.o1.tc	Method	TBLASTX:Cress
Start	5880	End	19002
GI	none	Score	77
Exons	5880..5957, 5882..5992, 6011..6115, 6078..6119, 6692..6892, 6711..6857, 6977..7234, 6996..7169, 13007..13081, 13202..13252, 13298..13381, 13693..13881, 13706..13876, 14694..14891, 17894..17983, 17895..17981, 18060..18179, 18071..18175, 18221..18310, 18433..18609, 18446..18487, 18533..18622, 18759..18998, 18772..18846, 18807..18956, 18913..19002		

Seq. No.	24023	Seq. ID	OJ990924_11.0103.C6
Gene No.	50081	Strand	-
Start	23305	End	23960
Name	OJ990924_11.0103.C6.o7.gs	Method	GENSCAN
Start	23305	End	23960
GI	none	Score	.67
Exons	23305..23404, 23440..23537, 23720..23764, 23787..23960		

Seq. No.	24024	Seq. ID	OJ990924_11.0103.C7
Gene No.	50082	Strand	+
Start	68	End	1568
Name	OJ990924_11.0103.C7.o1.gs	Method	GENSCAN
Start	68	End	1568
GI	none	Score	1
Exons	68..490, 726..809, 888..1568		

Seq. No.	24024	Seq. ID	OJ990924_11.0103.C7
Gene No.	50083	Strand	-
Start	1901	End	2725
Name	OJ990924_11.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	1890	End	2140
GI	none	Score	43
Exons	1890..1931, 1901..2140, 1968..2138		

Seq. No.	24024	Seq. ID	OJ990924_11.0103.C7
Gene No.	50083	Strand	-
Start	1901	End	2725
Name	OJ990924_11.0103.C7.o1.np	Method	AAT/NAP
Start	1901	End	2725
GI	4544372	Score	383
Exons	1901..2725		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	24024	Seq. ID	OJ990924_11.0103.C7
Gene No.	50083	Strand	-
Start	1901	End	2725
Name	OJ990924_11.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	1916	End	2323
GI	none	Score	82
Exons	1916..2323, 1950..2123		

Seq. No.	24024	Seq. ID	OJ990924_11.0103.C7

Gene No.	50083	Strand	-
Start	1901	End	2725
Name	OJ990924_11.0103.C7.o2.tw	Method	TBLASTX:Wheat
Start	2360	End	2725
GI	none	Score	195
Exons	2360..2725		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50084	Strand	+
Start	635	End	1444
Name	OJ990924_11.0103.C9.o1.gs	Method	GENSCAN
Start	635	End	1444
GI	none	Score	.83
Exons	635..1444		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50085	Strand	+
Start	1699	End	6213
Name	OJ990924_11.0103.C9.o1.np	Method	AAT/NAP
Start	1693	End	6210
GI	4680179	Score	5425
Exons	1693..2775, 2809..6210		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50085	Strand	+
Start	1699	End	6213
Name	OJ990924_11.0103.C9.o2.gs	Method	GENSCAN
Start	1699	End	6213
GI	none	Score	.72
Exons	1699..6213		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50086	Strand	+
Start	8283	End	8665
Name	OJ990924_11.0103.C9.o2.gp	Method	AAT/GAP
Start	8283	End	8665
GI	uC-osflcyp033a04b1	Score	700
Exons	8283..8665		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50087	Strand	+
Start	9830	End	10690
Name	OJ990924_11.0103.C9.o4.np	Method	AAT/NAP
Start	9830	End	10690
GI	5922623	Score	225
Exons	9830..9914, 10293..10445, 10613..10690		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o2.np	Method	AAT/NAP

Start	1870	End	10690
GI	5852180	Score	634
Exons	1870..1888, 6953..7365, 7417..7534, 8514..8561, 10597..10690		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o9.tw	Method	TBLASTX:Wheat
Start	1900	End	2132
GI	none	Score	211
Exons	1900..1920, 1933..2130, 1956..2132		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o7.tw	Method	TBLASTX:Wheat
Start	2166	End	2517
GI	none	Score	292
Exons	2166..2360, 2167..2517		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o6.tm	Method	TBLASTX:Maize
Start	2167	End	2472
GI	none	Score	233
Exons	2167..2472, 2181..2345		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o8.tm	Method	TBLASTX:Maize
Start	2830	End	3153
GI	none	Score	187
Exons	2830..3153		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o8.tw	Method	TBLASTX:Wheat
Start	2836	End	3258
GI	none	Score	164
Exons	2836..3045, 2892..3044, 3090..3203, 3091..3258		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o4.tw	Method	TBLASTX:Wheat
Start	3369	End	3855
GI	none	Score	52
Exons	3369..3812, 3373..3423, 3478..3855		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o5.tm	Method	TBLASTX:Maize

Start	3384	End	3674
GI	none	Score	280
Exons	3384..3674, 3385..3672		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o3.tm	Method	TBLASTX:Maize
Start	3742	End	4242
GI	none	Score	167
Exons	3742..3921, 3750..3896, 3928..4242, 4068..4121, 4149..4199		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o1.ts	Method	TBLASTX:Soybean
Start	3796	End	4191
GI	none	Score	57
Exons	3796..3828, 3798..3827, 3832..4191, 3834..3872, 3900..4190		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o5.tw	Method	TBLASTX:Wheat
Start	3904	End	4206
GI	none	Score	375
Exons	3904..4206, 3906..4190		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o3.tw	Method	TBLASTX:Wheat
Start	4207	End	4629
GI	none	Score	602
Exons	4207..4629, 4239..4628		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o3.ts	Method	TBLASTX:Soybean
Start	4213	End	4458
GI	none	Score	207
Exons	4213..4458, 4230..4457		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o2.tm	Method	TBLASTX:Maize
Start	4278	End	4641
GI	none	Score	482
Exons	4278..4628, 4279..4632, 4279..4641		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o2.tw	Method	TBLASTX:Wheat
Start	4632	End	9541

GI	none	Score	652
Exons	4632..5198, 4663..5199, 9422..9541		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o1.tc	Method	TBLASTX:Cress
Start	4906	End	5223
GI	none	Score	90
Exons	4906..5079, 5080..5223, 5082..5222		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o2.ts	Method	TBLASTX:Soybean
Start	4987	End	5248
GI	none	Score	299
Exons	4987..5247, 4992..5246, 5066..5248		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o4.tm	Method	TBLASTX:Maize
Start	5045	End	5337
GI	none	Score	118
Exons	5045..5233, 5046..5333, 5047..5337		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o1.tw	Method	TBLASTX:Wheat
Start	5206	End	5832
GI	none	Score	701
Exons	5206..5832, 5262..5720, 5578..5829		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	5386	End	5985
GI	none	Score	231
Exons	5386..5547, 5391..5549, 5394..5540, 5544..5612, 5544..5969, 5545..5985		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o6.tw	Method	TBLASTX:Wheat
Start	5832	End	6165
GI	none	Score	328
Exons	5832..6101, 5833..6165, 5836..6144		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o3.gs	Method	GENSCAN
Start	6902	End	7372

GI	none	Score	1
Exons	6902..7372		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o4.gs	Method	GENSCAN
Start	8204	End	10358
GI	none	Score	.43
Exons	8204..8325, 9592..10033, 10272..10358		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o7.tm	Method	TBLASTX:Maize
Start	9335	End	9694
GI	none	Score	203
Exons	9335..9694		

Seq. No.	24025	Seq. ID	OJ990924_11.0103.C9
Gene No.	50088	Strand	-
Start	1870	End	10690
Name	OJ990924_11.0103.C9.o4.ts	Method	TBLASTX:Soybean
Start	9365	End	9613
GI	none	Score	185
Exons	9365..9613		

Seq. No.	24026	Seq. ID	OJ990924_11.0103.C10
Gene No.	50089	Strand	+
Start	298	End	413
Name	OJ990924_11.0103.C10.o1.gs	Method	GENSCAN
Start	298	End	413
GI	none	Score	.84
Exons	298..413		

Seq. No.	24026	Seq. ID	OJ990924_11.0103.C10
Gene No.	50090	Strand	+
Start	794	End	3936
Name	OJ990924_11.0103.C10.o1.np	Method	AAT/NAP
Start	794	End	3933
GI	5803259	Score	4911
Exons	794..2055, 2151..3933		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	24026	Seq. ID	OJ990924_11.0103.C10
Gene No.	50090	Strand	+
Start	794	End	3936
Name	OJ990924_11.0103.C10.o2.gs	Method	GENSCAN
Start	794	End	3936
GI	none	Score	.98
Exons	794..2055, 2151..3936		

Seq. No.	24026	Seq. ID	OJ990924_11.0103.C10
Gene No.	50091	Strand	-
Start	3944	End	4405
Name	OJ990924_11.0103.C10.o1.gp	Method	AAT/GAP
Start	3944	End	4405

GI	2428323	Score	850
Exons	3944..4405		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	24026	Seq. ID	OJ990924_11.0103.C10
Gene No.	50092	Strand	-
Start	4564	End	7498
Name	OJ990924_11.0103.C10.o3.gs	Method	GENSCAN
Start	4564	End	7455
GI	none	Score	.72
Exons	4564..6419, 6525..7455		

Seq. No.	24026	Seq. ID	OJ990924_11.0103.C10
Gene No.	50092	Strand	-
Start	4564	End	7498
Name	OJ990924_11.0103.C10.o2.np	Method	AAT/NAP
Start	4567	End	7498
GI	6498441	Score	3798
Exons	4567..4848, 4942..6339, 6511..6890, 7083..7498		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	24026	Seq. ID	OJ990924_11.0103.C10
Gene No.	50092	Strand	-
Start	4564	End	7498
Name	OJ990924_11.0103.C10.o3.tw	Method	TBLASTX:Wheat
Start	4576	End	5178
GI	none	Score	81
Exons	4576..4701, 4580..4702, 4882..5178, 4895..5038, 5075..5173, 5103..5174		

Seq. No.	24026	Seq. ID	OJ990924_11.0103.C10
Gene No.	50092	Strand	-
Start	4564	End	7498
Name	OJ990924_11.0103.C10.o1.tw	Method	TBLASTX:Wheat
Start	5179	End	5560
GI	none	Score	169
Exons	5179..5559, 5210..5458, 5218..5463, 5504..5560		

Seq. No.	24026	Seq. ID	OJ990924_11.0103.C10
Gene No.	50092	Strand	-
Start	4564	End	7498
Name	OJ990924_11.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	5374	End	5697
GI	none	Score	204
Exons	5374..5697, 5387..5680		

Seq. No.	24026	Seq. ID	OJ990924_11.0103.C10
Gene No.	50092	Strand	-
Start	4564	End	7498
Name	OJ990924_11.0103.C10.o5.tw	Method	TBLASTX:Wheat
Start	5890	End	6202
GI	none	Score	67
Exons	5890..6150, 6026..6202		

Seq. No.	24026	Seq. ID	OJ990924_11.0103.C10
Gene No.	50092	Strand	-
Start	4564	End	7498
Name	OJ990924_11.0103.C10.o1.ts	Method	TBLASTX:Soybean
Start	5950	End	6516
GI	5666795	Score	56
Exons	5950..6150, 6205..6342, 6418..6516		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	24026	Seq. ID	OJ990924_11.0103.C10
Gene No.	50092	Strand	-
Start	4564	End	7498
Name	OJ990924_11.0103.C10.o2.tw	Method	TBLASTX:Wheat
Start	6205	End	6639
GI	none	Score	88
Exons	6205..6354, 6206..6343, 6208..6345, 6388..6639, 6398..6574, 6442..6639		

Seq. No.	24026	Seq. ID	OJ990924_11.0103.C10
Gene No.	50092	Strand	-
Start	4564	End	7498
Name	OJ990924_11.0103.C10.o2.tm	Method	TBLASTX:Maize
Start	7180	End	7494
GI	none	Score	48
Exons	7180..7293, 7214..7249, 7312..7494, 7313..7477		

Seq. No.	24026	Seq. ID	OJ990924_11.0103.C10
Gene No.	50092	Strand	-
Start	4564	End	7498
Name	OJ990924_11.0103.C10.o4.tw	Method	TBLASTX:Wheat
Start	7213	End	7495
GI	none	Score	47
Exons	7213..7494, 7214..7369, 7406..7495		

Seq. No.	24026	Seq. ID	OJ990924_11.0103.C10
Gene No.	50092	Strand	-
Start	4564	End	7498
Name	OJ990924_11.0103.C10.o3.np	Method	AAT/NAP
Start	7216	End	7498
GI	3695395	Score	142
Exons	7216..7498		
GI Descrip.	(AF096372) contains similarity to reverse transcriptase (Pfam: PF00078 rvt, E=4.3e-08) [Arabidopsis thaliana]		

Seq. No.	24027	Seq. ID	OJ990924_11.0103.C11
Gene No.	50093	Strand	+
Start	145	End	522
Name	OJ990924_11.0103.C11.o1.gs	Method	GENSCAN
Start	145	End	522
GI	none	Score	.9
Exons	145..203, 277..373, 484..522		

Seq. No.	24028	Seq. ID	OJ990824_12.0128.C1
Gene No.	50094	Strand	+
Start	1	End	989
Name	OJ990824_12.0128.C1.o1.np	Method	AAT/NAP
Start	1	End	989

GI	6705984	Score	629
Exons	1..625, 792..989		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	24028	Seq. ID	OJ990824_12.0128.C1
Gene No.	50094	Strand	+
Start	1	End	989
Name	OJ990824_12.0128.C1.o1.ts	Method	TBLASTX:Soybean
Start	319	End	549
GI	none	Score	308
Exons	319..549, 320..547		

Seq. No.	24028	Seq. ID	OJ990824_12.0128.C1
Gene No.	50094	Strand	+
Start	1	End	989
Name	OJ990824_12.0128.C1.o1.tw	Method	TBLASTX:Wheat
Start	326	End	649
GI	none	Score	248
Exons	326..631, 328..522, 329..649		

Seq. No.	24028	Seq. ID	OJ990824_12.0128.C1
Gene No.	50094	Strand	+
Start	1	End	989
Name	OJ990824_12.0128.C1.o1.tm	Method	TBLASTX:Maize
Start	353	End	658
GI	none	Score	214
Exons	353..631, 355..432, 398..658		

Seq. No.	24028	Seq. ID	OJ990824_12.0128.C1
Gene No.	50094	Strand	+
Start	1	End	989
Name	OJ990824_12.0128.C1.o1.gs	Method	GENSCAN
Start	417	End	637
GI	none	Score	.58
Exons	417..419, 516..637		

Seq. No.	24028	Seq. ID	OJ990824_12.0128.C1
Gene No.	50094	Strand	+
Start	1	End	989
Name	OJ990824_12.0128.C1.o2.tw	Method	TBLASTX:Wheat
Start	792	End	988
GI	none	Score	58
Exons	792..842, 822..986, 824..988, 826..981		

Seq. No.	24029	Seq. ID	OJ990824_12.0128.C4
Gene No.	50095	Strand	+
Start	8059	End	11349
Name	OJ990824_12.0128.C4.o2.gp	Method	AAT/GAP
Start	8059	End	11217
GI	none	Score	741
Exons	8059..8183, 10789..10903, 10983..11217		

Seq. No.	24029	Seq. ID	OJ990824_12.0128.C4
Gene No.	50095	Strand	+
Start	8059	End	11349
Name	OJ990824_12.0128.C4.o1.np	Method	AAT/NAP
Start	11006	End	11349

GI	4929677	Score	99
Exons	11006..11349		
GI Descrip.	(AF151862) CGI-104 protein [Homo sapiens] gi|5531839|gb|AAD44494.1| (AF078862) PTD009 [Homo sapiens] gi|6650543|gb|AAF21897.1|AF105025_1 (AF105025) unknown [Homo sapiens] gi|6841564|gb|AAF29135.1|AF161520_1 (AF161520) HSPC172 [Homo sapiens]		

Seq. No.	24029	Seq. ID	OJ990824_12.0128.C4
Gene No.	50096	Strand	-
Start	135	End	364
Name	OJ990824_12.0128.C4.o1.gp	Method	AAT/GAP
Start	135	End	364
GI	none	Score	340
Exons	135..364		

Seq. No.	24029	Seq. ID	OJ990824_12.0128.C4
Gene No.	50097	Strand	-
Start	641	End	11531
Name	OJ990824_12.0128.C4.o1.gs	Method	GENSCAN
Start	641	End	11531
GI	none	Score	.56
Exons	641..767, 1941..2060, 2361..2707, 2949..3158, 4405..4574, 4680..4802, 8560..8710, 10272..10439, 11150..11211, 11477..11531		

Seq. No.	24029	Seq. ID	OJ990824_12.0128.C4
Gene No.	50097	Strand	-
Start	641	End	11531
Name	OJ990824_12.0128.C4.o1.tm	Method	TBLASTX:Maize
Start	10823	End	11152
GI	none	Score	108
Exons	10823..10903, 10827..10904, 10828..10905, 10832..10903, 10968..11141, 10972..11151, 10980..11150, 10982..11152		

Seq. No.	24029	Seq. ID	OJ990824_12.0128.C4
Gene No.	50097	Strand	-
Start	641	End	11531
Name	OJ990824_12.0128.C4.o1.ts	Method	TBLASTX:Soybean
Start	10844	End	11152
GI	none	Score	94
Exons	10844..10903, 10846..10905, 10968..11141, 10980..11150, 10982..11152		

Seq. No.	24030	Seq. ID	OJ990824_12.0128.C5
Gene No.	50098	Strand	+
Start	1	End	1794
Name	OJ990824_12.0128.C5.o2.np	Method	AAT/NAP
Start	1	End	1794
GI	4539423	Score	143
Exons	1..134, 1476..1604, 1740..1794		
GI Descrip.	(AL049171) pyrophosphate-dependent phosphofructo-1-kinase [Arabidopsis thaliana]		

Seq. No.	24030	Seq. ID	OJ990824_12.0128.C5
Gene No.	50098	Strand	+
Start	1	End	1794
Name	OJ990824_12.0128.C5.o1.np	Method	AAT/NAP

Start	346	End	622
GI	4929677	Score	116
Exons	346..622		
GI Descrip.	(AF151862) CGI-104 protein [Homo sapiens] gi|5531839|gb|AAD44494.1| (AF078862) PTD009 [Homo sapiens] gi|6650543|gb|AAF21897.1|AF105025_1 (AF105025) unknown [Homo sapiens] gi|6841564|gb|AAF29135.1|AF161520_1 (AF161520) HSPC172 [Homo sapiens]		

Seq. No.	24030	Seq. ID	OJ990824_12.0128.C5
Gene No.	50099	Strand	-
Start	497	End	874
Name	OJ990824_12.0128.C5.o1.tm	Method	TBLASTX:Maize
Start	432	End	621
GI	none	Score	160
Exons	432..620, 432..620, 433..621, 433..621		

Seq. No.	24030	Seq. ID	OJ990824_12.0128.C5
Gene No.	50099	Strand	-
Start	497	End	874
Name	OJ990824_12.0128.C5.o1.gp	Method	AAT/GAP
Start	497	End	874
GI	none	Score	704
Exons	497..874		

Seq. No.	24031	Seq. ID	OJ990824_12.0128.C6
Gene No.	50100	Strand	+
Start	1	End	2222
Name	OJ990824_12.0128.C6.o1.gs	Method	GENSCAN
Start	1	End	2222
GI	none	Score	.63
Exons	1..90, 246..413, 786..920, 2142..2222		

Seq. No.	24032	Seq. ID	OJ990824_12.0128.C7
Gene No.	50101	Strand	-
Start	19	End	581
Name	OJ990824_12.0128.C7.o1.gs	Method	GENSCAN
Start	19	End	581
GI	none	Score	.56
Exons	19..581		

Seq. No.	24033	Seq. ID	OJ990824_12.0128.C8
Gene No.	50102	Strand	-
Start	199	End	274
Name	OJ990824_12.0128.C8.o1.gp	Method	AAT/GAP
Start	199	End	274
GI	LIB3477-003-P1-K1-E9	Score	133
Exons	199..274		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	24034	Seq. ID	OJ990824_12.0128.C9
Gene No.	50103	Strand	+
Start	1	End	981
Name	OJ990824_12.0128.C9.o1.np	Method	AAT/NAP
Start	1	End	981

GI	6705984	Score	1450
Exons	1..981		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	24034	Seq. ID	OJ990824_12.0128.C9
Gene No.	50104	Strand	+
Start	4305	End	7531
Name	OJ990824_12.0128.C9.o1.tc	Method	TBLASTX:Cress
Start	1	End	192
GI	none	Score	242
Exons	1..192, 9..191		

Seq. No.	24034	Seq. ID	OJ990824_12.0128.C9
Gene No.	50104	Strand	+
Start	4305	End	7531
Name	OJ990824_12.0128.C9.o1.tm	Method	TBLASTX:Maize
Start	1	End	259
GI	none	Score	372
Exons	1..255, 6..254, 11..259		

Seq. No.	24034	Seq. ID	OJ990824_12.0128.C9
Gene No.	50104	Strand	+
Start	4305	End	7531
Name	OJ990824_12.0128.C9.o2.tw	Method	TBLASTX:Wheat
Start	4	End	363
GI	none	Score	404
Exons	4..363, 4..354, 9..356		

Seq. No.	24034	Seq. ID	OJ990824_12.0128.C9
Gene No.	50104	Strand	+
Start	4305	End	7531
Name	OJ990824_12.0128.C9.o4.tm	Method	TBLASTX:Maize
Start	262	End	555
GI	none	Score	213
Exons	262..555, 270..410		

Seq. No.	24034	Seq. ID	OJ990824_12.0128.C9
Gene No.	50104	Strand	+
Start	4305	End	7531
Name	OJ990824_12.0128.C9.o1.tw	Method	TBLASTX:Wheat
Start	394	End	792
GI	none	Score	479
Exons	394..792, 396..782		

Seq. No.	24034	Seq. ID	OJ990824_12.0128.C9
Gene No.	50104	Strand	+
Start	4305	End	7531
Name	OJ990824_12.0128.C9.o2.tm	Method	TBLASTX:Maize
Start	711	End	957
GI	none	Score	329
Exons	711..956, 712..957		

Seq. No.	24034	Seq. ID	OJ990824_12.0128.C9
Gene No.	50104	Strand	+
Start	4305	End	7531
Name	OJ990824_12.0128.C9.o3.tm	Method	TBLASTX:Maize
Start	1147	End	1671

GI	none	Score	173
Exons	1147..1467, 1148..1474, 1150..1473, 1469..1576, 1470..1574, 1560..1661, 1576..1671, 1576..1659		

Seq. No.	24034	Seq. ID	OJ990824_12.0128.C9
Gene No.	50104	Strand	+
Start	4305	End	7531
Name	OJ990824_12.0128.C9.o2.np	Method	AAT/NAP
Start	4305	End	7531
GI	6539588	Score	237
Exons	4305..4328, 5049..5307, 7505..7531		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	24035	Seq. ID	OJ990824_12.0128.C10
Gene No.	50105	Strand	+
Start	1	End	1217
Name	OJ990824_12.0128.C10.o1.np	Method	AAT/NAP
Start	1	End	1217
GI	3777527	Score	792
Exons	1..307, 467..1217		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	24035	Seq. ID	OJ990824_12.0128.C10
Gene No.	50105	Strand	+
Start	1	End	1217
Name	OJ990824_12.0128.C10.o2.tm	Method	TBLASTX:Maize
Start	1	End	282
GI	none	Score	128
Exons	1..135, 3..134, 55..135, 130..282		

Seq. No.	24035	Seq. ID	OJ990824_12.0128.C10
Gene No.	50105	Strand	+
Start	1	End	1217
Name	OJ990824_12.0128.C10.o1.gs	Method	GENSCAN
Start	95	End	1012
GI	none	Score	.5
Exons	95..556, 635..1012		

Seq. No.	24035	Seq. ID	OJ990824_12.0128.C10
Gene No.	50105	Strand	+
Start	1	End	1217
Name	OJ990824_12.0128.C10.o1.ts	Method	TBLASTX:Soybean
Start	598	End	1211
GI	5509260	Score	619
Exons	598..648, 670..1206, 687..899, 731..901, 957..1211		
GI Descrip.	-		

Seq. No.	24035	Seq. ID	OJ990824_12.0128.C10
Gene No.	50105	Strand	+
Start	1	End	1217
Name	OJ990824_12.0128.C10.o1.tw	Method	TBLASTX:Wheat
Start	726	End	1203
GI	none	Score	81
Exons	726..833, 745..816, 796..1197, 858..896, 944..976, 1017..1178, 1021..1203		

Seq. No.	24035	Seq. ID	OJ990824_12.0128.C10

Gene No.	50105	Strand	+
Start	1	End	1217
Name	OJ990824_12.0128.C10.o1.tc	Method	TBLASTX:Cress
Start	832	End	1092
GI	none	Score	218
Exons	832..1092		

Seq. No.	24035	Seq. ID	OJ990824_12.0128.C10
Gene No.	50105	Strand	+
Start	1	End	1217
Name	OJ990824_12.0128.C10.o1.tm	Method	TBLASTX:Maize
Start	874	End	1217
GI	none	Score	389
Exons	874..1206, 957..1217		

Seq. No.	24036	Seq. ID	OJ990824_12.0128.C11
Gene No.	50106	Strand	+
Start	1	End	546
Name	OJ990824_12.0128.C11.o1.np	Method	AAT/NAP
Start	1	End	546
GI	4416302	Score	576
Exons	1..546		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	24036	Seq. ID	OJ990824_12.0128.C11
Gene No.	50106	Strand	+
Start	1	End	546
Name	OJ990824_12.0128.C11.o1.gs	Method	GENSCAN
Start	7	End	546
GI	none	Score	.77
Exons	7..546		

Seq. No.	24036	Seq. ID	OJ990824_12.0128.C11
Gene No.	50107	Strand	+
Start	1752	End	10187
Name	OJ990824_12.0128.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	525
GI	none	Score	582
Exons	1..525, 3..494, 157..495		

Seq. No.	24036	Seq. ID	OJ990824_12.0128.C11
Gene No.	50107	Strand	+
Start	1752	End	10187
Name	OJ990824_12.0128.C11.o1.ts	Method	TBLASTX:Soybean
Start	1	End	555
GI	none	Score	204
Exons	1..276, 3..233, 295..555, 309..479		

Seq. No.	24036	Seq. ID	OJ990824_12.0128.C11
Gene No.	50107	Strand	+
Start	1752	End	10187
Name	OJ990824_12.0128.C11.o1.tw	Method	TBLASTX:Wheat
Start	25	End	480
GI	none	Score	119
Exons	25..285, 304..480		

Seq. No.	24036	Seq. ID	OJ990824_12.0128.C11

Gene No.	50107	Strand	+
Start	1752	End	10187
Name	OJ990824_12.0128.C11.o1.tc	Method	TBLASTX:Cress
Start	160	End	525
GI	none	Score	90
Exons	160..291, 280..525, 312..473		

Seq. No.	24036	Seq. ID	OJ990824_12.0128.C11
Gene No.	50107	Strand	+
Start	1752	End	10187
Name	OJ990824_12.0128.C11.o2.np	Method	AAT/NAP
Start	1752	End	10187
GI	6539588	Score	228
Exons	1752..1775, 4835..5121, 10112..10187		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	24037	Seq. ID	OJ990824_12.0128.C12
Gene No.	50108	Strand	+
Start	7589	End	7787
Name	OJ990824_12.0128.C12.o2.np	Method	AAT/NAP
Start	7589	End	7787
GI	5052976	Score	56
Exons	7589..7787		
GI Descrip.	(AF153444) hnRNP A/B related protein [Felis catus]		

Seq. No.	24037	Seq. ID	OJ990824_12.0128.C12
Gene No.	50109	Strand	-
Start	4754	End	7810
Name	OJ990824_12.0128.C12.o1.np	Method	AAT/NAP
Start	4754	End	7443
GI	4584539	Score	254
Exons	4754..5166, 7409..7443		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	24037	Seq. ID	OJ990824_12.0128.C12
Gene No.	50109	Strand	-
Start	4754	End	7810
Name	OJ990824_12.0128.C12.o1.tm	Method	TBLASTX:Maize
Start	7067	End	7810
GI	none	Score	71
Exons	7067..7153, 7237..7440, 7244..7444, 7586..7810, 7601..7771		

Seq. No.	24037	Seq. ID	OJ990824_12.0128.C12
Gene No.	50109	Strand	-
Start	4754	End	7810
Name	OJ990824_12.0128.C12.o1.ts	Method	TBLASTX:Soybean
Start	7289	End	7810
GI	none	Score	95
Exons	7289..7453, 7291..7458, 7449..7481, 7586..7810		

Seq. No.	24038	Seq. ID	OJ990824_12.0128.C13
Gene No.	50110	Strand	+
Start	128	End	3354
Name	OJ990824_12.0128.C13.o1.np	Method	AAT/NAP
Start	128	End	3354
GI	5852093	Score	102
Exons	128..151, 1501..1615, 3317..3354		

GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	24038	Seq. ID	OJ990824_12.0128.C13
Gene No.	50111	Strand	+
Start	6729	End	6896
Name	OJ990824_12.0128.C13.o1.gp	Method	AAT/GAP
Start	6729	End	6896
GI	LIB3433-050-P1-K1-D2	Score	298
Exons	6729..6896		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-12 Homo sapiens PEX1 mRNA, complete cds'		
Seq. No.	24038	Seq. ID	OJ990824_12.0128.C13
Gene No.	50112	Strand	+
Start	7741	End	8398
Name	OJ990824_12.0128.C13.o2.gs	Method	GENSCAN
Start	7741	End	8398
GI	none	Score	.58
Exons	7741..8086, 8277..8398		
Seq. No.	24038	Seq. ID	OJ990824_12.0128.C13
Gene No.	50113	Strand	-
Start	2893	End	6384
Name	OJ990824_12.0128.C13.o1.gs	Method	GENSCAN
Start	2893	End	6384
GI	none	Score	.45
Exons	2893..3106, 3219..3530, 3803..3939, 3978..4181, 4995..5131, 6378..6384		
Seq. No.	24038	Seq. ID	OJ990824_12.0128.C13
Gene No.	50114	Strand	-
Start	8632	End	10896
Name	OJ990824_12.0128.C13.o3.gs	Method	GENSCAN
Start	8632	End	10574
GI	none	Score	.66
Exons	8632..8754, 8933..9018, 9772..9947, 10453..10574		
Seq. No.	24038	Seq. ID	OJ990824_12.0128.C13
Gene No.	50114	Strand	-
Start	8632	End	10896
Name	OJ990824_12.0128.C13.o1.tc	Method	TBLASTX:Cress
Start	9627	End	10072
GI	none	Score	214
Exons	9627..10022, 9635..10021, 9959..10072		
Seq. No.	24038	Seq. ID	OJ990824_12.0128.C13
Gene No.	50114	Strand	-
Start	8632	End	10896
Name	OJ990824_12.0128.C13.o2.np	Method	AAT/NAP
Start	9644	End	10896
GI	4006861	Score	533
Exons	9644..10089, 10481..10597, 10687..10896		
GI Descrip.	(Z99707) tubulin-like protein [Arabidopsis thaliana]		
Seq. No.	24038	Seq. ID	OJ990824_12.0128.C13
Gene No.	50114	Strand	-
Start	8632	End	10896

Name	OJ990824_12.0128.C13.o1.ts	Method	TBLASTX:Soybean
Start	9656	End	10013
GI	none	Score	186
Exons	9656..10012, 9672..10013		

Seq. No.	24038	Seq. ID	OJ990824_12.0128.C13
Gene No.	50114	Strand	-
Start	8632	End	10896
Name	OJ990824_12.0128.C13.o1.tm	Method	TBLASTX:Maize
Start	9710	End	10823
GI	none	Score	198
Exons	9710..9916, 9711..9911, 9778..9912, 9917..10090, 9918..10091, 9919..10092, 10479..10589, 10481..10585, 10494..10589, 10691..10822, 10692..10823		

Seq. No.	24038	Seq. ID	OJ990824_12.0128.C13
Gene No.	50114	Strand	-
Start	8632	End	10896
Name	OJ990824_12.0128.C13.o2.gp	Method	AAT/GAP
Start	10670	End	10896
GI	428723	Score	404
Exons	10670..10896		
GI Descrip.	4006861/emb|CAB16779.1| 3.0e-15 (Z99707) tubulin-like protein [Arabidopsis thaliana]		

Seq. No.	24039	Seq. ID	OJ990824_12.0128.C14
Gene No.	50115	Strand	-
Start	1	End	658
Name	OJ990824_12.0128.C14.o1.np	Method	AAT/NAP
Start	1	End	658
GI	4006861	Score	201
Exons	1..50, 426..658		
GI Descrip.	(Z99707) tubulin-like protein [Arabidopsis thaliana]		

Seq. No.	24039	Seq. ID	OJ990824_12.0128.C14
Gene No.	50115	Strand	-
Start	1	End	658
Name	OJ990824_12.0128.C14.o1.tm	Method	TBLASTX:Maize
Start	432	End	657
GI	none	Score	72
Exons	432..521, 433..543, 437..544, 538..657, 540..656		

Seq. No.	24040	Seq. ID	OJ990824_12.0128.C17
Gene No.	50116	Strand	-
Start	547	End	669
Name	OJ990824_12.0128.C17.o1.gs	Method	GENSCAN
Start	547	End	669
GI	none	Score	.92
Exons	547..669		

Seq. No.	24041	Seq. ID	OJ990524_07.0128.C5
Gene No.	50117	Strand	+
Start	486	End	562
Name	OJ990524_07.0128.C5.o1.gp	Method	AAT/GAP
Start	486	End	562
GI	LIB3477-003-P1-K1-E9	Score	114
Exons	486..562		

GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	24042	Seq. ID	OJ990524_07.0128.C6
Gene No.	50118	Strand	+
Start	507	End	846
Name	OJ990524_07.0128.C6.o1.gs	Method	GENSCAN
Start	507	End	807
GI	none	Score	.48
Exons	507..807		
Seq. No.	24042	Seq. ID	OJ990524_07.0128.C6
Gene No.	50118	Strand	+
Start	507	End	846
Name	OJ990524_07.0128.C6.o1.np	Method	AAT/NAP
Start	596	End	846
GI	3152620	Score	81
Exons	596..846		
GI Descrip.	(AC004482) putative C2H2-type zinc finger protein [Arabidopsis thaliana]		
Seq. No.	24043	Seq. ID	OJ990524_07.0128.C7
Gene No.	50119	Strand	-
Start	65	End	529
Name	OJ990524_07.0128.C7.o1.gp	Method	AAT/GAP
Start	65	End	529
GI	none	Score	859
Exons	65..529		
Seq. No.	24044	Seq. ID	OJ990524_07.0128.C9
Gene No.	50120	Strand	-
Start	36	End	396
Name	OJ990524_07.0128.C9.o1.gp	Method	AAT/GAP
Start	36	End	396
GI	none	Score	643
Exons	36..396		
Seq. No.	24045	Seq. ID	OJ990524_07.0128.C11
Gene No.	50121	Strand	+
Start	25	End	3135
Name	OJ990524_07.0128.C11.o1.gs	Method	GENSCAN
Start	25	End	3035
GI	none	Score	.94
Exons	25..276, 424..585, 1898..2014, 2125..2234, 2269..2305, 2428..2627, 2767..2854, 2928..3035		
Seq. No.	24045	Seq. ID	OJ990524_07.0128.C11
Gene No.	50121	Strand	+
Start	25	End	3135
Name	OJ990524_07.0128.C11.o1.np	Method	AAT/NAP
Start	1850	End	3032
GI	3152609	Score	365
Exons	1850..2014, 2125..2245, 2507..2627, 2767..2854, 2928..3032		
GI Descrip.	(AC004482) putative SET-domain transcriptional regulator [Arabidopsis thaliana]		

Seq. No.	24045	Seq. ID	OJ990524_07.0128.C11
Gene No.	50121	Strand	+
Start	25	End	3135
Name	OJ990524_07.0128.C11.o1.gp	Method	AAT/GAP
Start	2820	End	3135
GI	2797162	Score	426
Exons	2820..2854, 2928..3135		

Seq. No.	24045	Seq. ID	OJ990524_07.0128.C11
Gene No.	50122	Strand	-
Start	3933	End	4593
Name	OJ990524_07.0128.C11.o2.tm	Method	TBLASTX:Maize
Start	239	End	2199
GI	none	Score	60
Exons	239..277, 421..585, 421..588, 423..587, 1891..1998, 1892..2002, 1983..2018, 2122..2199, 2124..2198		

Seq. No.	24045	Seq. ID	OJ990524_07.0128.C11
Gene No.	50122	Strand	-
Start	3933	End	4593
Name	OJ990524_07.0128.C11.o1.tm	Method	TBLASTX:Maize
Start	2581	End	3095
GI	none	Score	63
Exons	2581..2625, 2760..2843, 2764..2844, 2765..2863, 2768..2854, 2913..3095, 2927..3043		

Seq. No.	24045	Seq. ID	OJ990524_07.0128.C11
Gene No.	50122	Strand	-
Start	3933	End	4593
Name	OJ990524_07.0128.C11.o2.gs	Method	GENSCAN
Start	3933	End	4593
GI	none	Score	.65
Exons	3933..4224, 4238..4471, 4547..4593		

Seq. No.	24046	Seq. ID	OJ990524_07.0128.C12
Gene No.	50123	Strand	-
Start	1	End	369
Name	OJ990524_07.0128.C12.o1.gp	Method	AAT/GAP
Start	1	End	369
GI	none	Score	696
Exons	1..369		

Seq. No.	24046	Seq. ID	OJ990524_07.0128.C12
Gene No.	50124	Strand	-
Start	367	End	465
Name	OJ990524_07.0128.C12.o1.gs	Method	GENSCAN
Start	367	End	465
GI	none	Score	.78
Exons	367..465		

Seq. No.	24047	Seq. ID	OJ990524_07.0128.C16
Gene No.	50125	Strand	-
Start	1	End	526
Name	OJ990524_07.0128.C16.o1.gp	Method	AAT/GAP
Start	1	End	487
GI	42246_1.R1084	Score	263
Exons	1..36, 371..487		

GI Descrip.	'5734466/emb|CAB52727.1| 9.0e-33 (AL109832) putative gtpase activating protein [Schizosaccharomyces pombe]'		
Seq. No.	24047	Seq. ID	OJ990524_07.0128.C16
Gene No.	50125	Strand	-
Start	1	End	526
Name	OJ990524_07.0128.C16.o1.np	Method	AAT/NAP
Start	1	End	526
GI	3925265	Score	142
Exons	1..36, 371..526		
GI Descrip.	(Z93394) similar to Probable rabGAP domains [Caenorhabditis elegans]		
Seq. No.	24047	Seq. ID	OJ990524_07.0128.C16
Gene No.	50125	Strand	-
Start	1	End	526
Name	OJ990524_07.0128.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	489
GI	none	Score	63
Exons	1..45, 2..55, 2..73, 346..480, 347..487, 348..488, 364..489, 372..488		
Seq. No.	24047	Seq. ID	OJ990524_07.0128.C16
Gene No.	50125	Strand	-
Start	1	End	526
Name	OJ990524_07.0128.C16.o1.ts	Method	TBLASTX:Soybean
Start	1	End	489
GI	none	Score	150
Exons	1..45, 347..487, 348..488, 352..489		
Seq. No.	24047	Seq. ID	OJ990524_07.0128.C16
Gene No.	50125	Strand	-
Start	1	End	526
Name	OJ990524_07.0128.C16.o1.gs	Method	GENSCAN
Start	371	End	487
GI	none	Score	.86
Exons	371..487		
Seq. No.	24048	Seq. ID	OJ990524_07.0128.C17
Gene No.	50126	Strand	-
Start	304	End	377
Name	OJ990524_07.0128.C17.o1.gs	Method	GENSCAN
Start	304	End	377
GI	none	Score	.57
Exons	304..377		
Seq. No.	24049	Seq. ID	OJ990524_07.0128.C18
Gene No.	50127	Strand	-
Start	254	End	487
Name	OJ990524_07.0128.C18.o1.gp	Method	AAT/GAP
Start	254	End	487
GI	14933_2.R1084	Score	381
Exons	254..487		
GI Descrip.	'4769004/gb|AAD29715.1|AF140598_1 6.0e-51 (AF140598) ring-box protein 1 [Homo sapiens] >gi_4769006_gb_AAD29716.1_AF140599_1 (AF140599) ring-box protein 1 [Mus musculus] >gi_4809216_gb_AAD30146.1_AF142059_1 (AF142059) RING finger		

protein [Homo sapiens]'

Seq. No.	24050	Seq. ID	OJ990524_07.0128.C21
Gene No.	50128	Strand	-
Start	1	End	908
Name	OJ990524_07.0128.C21.o1.np	Method	AAT/NAP
Start	1	End	233
GI	6069646	Score	136
Exons	1..233		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	24050	Seq. ID	OJ990524_07.0128.C21
Gene No.	50128	Strand	-
Start	1	End	908
Name	OJ990524_07.0128.C21.o1.gs	Method	GENSCAN
Start	103	End	903
GI	none	Score	.99
Exons	103..194, 843..903		

Seq. No.	24050	Seq. ID	OJ990524_07.0128.C21
Gene No.	50128	Strand	-
Start	1	End	908
Name	OJ990524_07.0128.C21.o1.gp	Method	AAT/GAP
Start	631	End	908
GI	none	Score	521
Exons	631..908		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50129	Strand	+
Start	256	End	7470
Name	OJ990524_07.0128.C22.o1.gs	Method	GENSCAN
Start	256	End	6040
GI	none	Score	.73
Exons	256..512, 1345..1646, 1966..2080, 2179..2299, 2525..2659, 2814..2987, 3445..3639, 3785..3907, 4482..4742, 5831..6040		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50129	Strand	+
Start	256	End	7470
Name	OJ990524_07.0128.C22.o1.gp	Method	AAT/GAP
Start	336	End	1617
GI	none	Score	947
Exons	336..512, 1303..1617		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50129	Strand	+
Start	256	End	7470
Name	OJ990524_07.0128.C22.o1.np	Method	AAT/NAP
Start	1310	End	2688
GI	3785975	Score	162
Exons	1310..1580, 1864..2080, 2182..2338, 2525..2688		
GI Descrip.	(AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50129	Strand	+
Start	256	End	7470
Name	OJ990524_07.0128.C22.o2.np	Method	AAT/NAP
Start	1310	End	7470
GI	3785975	Score	248
Exons	1310..1580, 1864..2080, 2182..2338, 2525..2653, 2892..2987, 3442..3639, 3785..3913, 7408..7470		
GI Descrip.	(AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50129	Strand	+
Start	256	End	7470
Name	OJ990524_07.0128.C22.o2.gp	Method	AAT/GAP
Start	2578	End	3579
GI	428928	Score	738
Exons	2578..2659, 2814..2987, 3445..3579		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50130	Strand	+
Start	7590	End	10134
Name	OJ990524_07.0128.C22.o4.gp	Method	AAT/GAP
Start	7590	End	10134
GI	14933_2.R1084	Score	1148
Exons	7590..7800, 7916..7966, 8097..8156, 9717..9788, 9878..10134		
GI Descrip.	'4769004/gb|AAD29715.1|AF140598_1 6.0e-51 (AF140598) ring-box protein 1 [Homo sapiens] >gi_4769006_gb_AAD29716.1_AF140599_1 (AF140599) ring-box protein 1 [Mus musculus] >gi_4809216_gb_AAD30146.1_AF142059_1 (AF142059) RING finger protein [Homo sapiens]'		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50130	Strand	+
Start	7590	End	10134
Name	OJ990524_07.0128.C22.o3.np	Method	AAT/NAP
Start	7692	End	9912
GI	4769004	Score	396
Exons	7692..7800, 7916..7966, 8097..8156, 9717..9788, 9878..9912		
GI Descrip.	(AF140598) ring-box protein 1 [Homo sapiens] gi|4769006|gb|AAD29716.1|AF140599_1 (AF140599) ring-box protein 1 [Mus musculus] gi|4809216|gb|AAD30146.1|AF142059_1 (AF142059) RING finger protein [Homo sapiens] gi|6572304|emb|CAB62925.1| (AL080242) bA554C12.1 (RBX1 or ROC1 (ring-box or ring finger protein 1)) [Homo sapiens]		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50131	Strand	+
Start	14642	End	22851
Name	OJ990524_07.0128.C22.o4.gs	Method	GENSCAN
Start	14642	End	22851
GI	none	Score	.4
Exons	14642..14771, 15524..15698, 16264..16294, 16615..16674, 17126..17296, 17455..17565, 18650..19438, 20058..20095, 21680..21860, 21942..22052, 22741..22851		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50131	Strand	+

Start	14642	End	22851
Name	OJ990524_07.0128.C22.o5.np	Method	AAT/NAP
Start	19235	End	22073
GI	3152610	Score	372
Exons	19235..19438, 21558..21860, 21942..22073		
GI Descrip.	(AC004482) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50132	Strand	-
Start	5939	End	6474
Name	OJ990524_07.0128.C22.o3.gp	Method	AAT/GAP
Start	5939	End	6474
GI	none	Score	1012
Exons	5939..6474		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50133	Strand	-
Start	7665	End	7955
Name	OJ990524_07.0128.C22.o2.gs	Method	GENSCAN
Start	7665	End	7955
GI	none	Score	.57
Exons	7665..7955		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o2.tc	Method	TBLASTX:Cress
Start	1310	End	2227
GI	none	Score	441
Exons	1310..1645, 1324..1644, 1346..1645, 1948..2064, 1965..2081, 1965..2087, 2009..2089, 2129..2227, 2143..2223, 2162..2227		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o5.ts	Method	TBLASTX:Soybean
Start	1322	End	1512
GI	none	Score	193
Exons	1322..1507, 1357..1512		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o2.ts	Method	TBLASTX:Soybean
Start	2227	End	4124
GI	none	Score	199
Exons	2227..2343, 2246..2374, 2249..2374, 2549..2659, 2549..2641, 2551..2658, 2805..2987, 2808..2990, 2900..2992, 3429..3626, 3439..3642, 3442..3645, 3443..3685, 3781..3861, 3782..3907, 3785..3907, 4005..4124, 4006..4107		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o2.tm	Method	TBLASTX:Maize
Start	4005	End	4541
GI	none	Score	161

Exons	4005..4121, 4010..4123, 4014..4112, 4015..4143, 4225..4371, 4234..4356, 4235..4357, 4478..4540, 4482..4541		
Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o3.ts	Method	TBLASTX:Soybean
Start	4478	End	5905
GI	5605829	Score	161
Exons	4478..4591, 4482..4604, 4577..4687, 4581..4685, 4673..4747, 4677..4754, 5828..5905		
GI Descrip.	-		
Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o4.tm	Method	TBLASTX:Maize
Start	4541	End	6052
GI	none	Score	284
Exons	4541..4741, 4542..4745, 5802..5921, 5826..5924, 5828..5929, 5830..5922, 5927..6040, 5936..6052		
Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o4.ts	Method	TBLASTX:Soybean
Start	7742	End	9915
GI	none	Score	86
Exons	7742..7804, 7755..7799, 7914..7967, 7915..7968, 8098..8157, 8099..8158, 9665..9805, 9706..9786, 9877..9915		
Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o6.tm	Method	TBLASTX:Maize
Start	7751	End	9915
GI	none	Score	86
Exons	7751..7804, 7755..7799, 7914..7964, 7915..7968, 8098..8157, 8099..8158, 9665..9805, 9706..9783, 9877..9915, 9888..9908		
Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o3.gs	Method	GENSCAN
Start	10453	End	13784
GI	none	Score	.91
Exons	10453..10598, 10698..10894, 11863..13784		
Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o4.np	Method	AAT/NAP
Start	10660	End	13793
GI	3513727	Score	1672
Exons	10660..10894, 11863..13292, 13683..13793		
GI Descrip.	(AF080118) contains similarity to TPR domains (Pfam: TPR.hmm: score: 11.15) and kinesin motor domains (Pfam: kinesin2.hmm,		

score: 17.49, 20.52 and 10.94) [Arabidopsis thaliana] gi|4539358|emb|CAB40052.1| (AL049525) putative protein [Arabidopsis thaliana]

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o1.tm	Method	TBLASTX:Maize
Start	10667	End	13118
GI	none	Score	216
Exons	10667..10897, 10675..10911, 10681..10896, 11852..12559, 11862..12998, 11862..12998, 11863..12999, 11863..12999, 12915..13118, 12921..13022		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o1.ts	Method	TBLASTX:Soybean
Start	10696	End	13197
GI	none	Score	83
Exons	10696..10911, 10697..10897, 11862..13061, 11863..13062, 13065..13139, 13128..13196, 13129..13197		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o2.tw	Method	TBLASTX:Wheat
Start	10722	End	12545
GI	none	Score	100
Exons	10722..10901, 10723..10896, 10730..10897, 10732..10911, 11862..11969, 11863..11934, 12351..12545		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o1.tc	Method	TBLASTX:Cress
Start	10822	End	13190
GI	none	Score	38
Exons	10822..10911, 11858..11896, 11862..11906, 11863..11910, 11904..12053, 11910..12047, 11998..12051, 12031..12813, 12039..12833, 12240..12830, 12915..13190		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o5.gp	Method	AAT/GAP
Start	11876	End	12495
GI	16496_1.R1084	Score	1116
Exons	11876..12495		
GI Descrip.	'3513727 2.0e-52 (AF080118) contains similarity to TPR domains (Pfam: TPR.hmm: score: 11.15) and kinesin motor domains (Pfam: kinesin2.hmm, score: 17.49, 20.52 and 10.94) [Arabidopsis thaliana] >gi_4539358_emb_CAB40052.1_ (AL049525) putative protein [Arabidopsis thaliana]'		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-

Start	10453	End	14178
Name	OJ990524_07.0128.C22.o5.tm	Method	TBLASTX:Maize
Start	13119	End	13311
GI	none	Score	194
Exons	13119..13310, 13120..13311		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o6.gp	Method	AAT/GAP
Start	13188	End	13521
GI	2427591	Score	614
Exons	13188..13521		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o1.tw	Method	TBLASTX:Wheat
Start	13482	End	13806
GI	none	Score	85
Exons	13482..13562, 13486..13566, 13486..13560, 13493..13609, 13553..13678, 13554..13679, 13561..13689, 13581..13718, 13686..13796, 13693..13806, 13695..13793		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o3.tm	Method	TBLASTX:Maize
Start	13485	End	13792
GI	none	Score	210
Exons	13485..13673, 13486..13674, 13499..13678, 13651..13788, 13678..13791, 13694..13792		

Seq. No.	24051	Seq. ID	OJ990524_07.0128.C22
Gene No.	50134	Strand	-
Start	10453	End	14178
Name	OJ990524_07.0128.C22.o7.gp	Method	AAT/GAP
Start	13542	End	14178
GI	none	Score	863
Exons	13542..13835, 14021..14178		

Seq. No.	24052	Seq. ID	OJ990524_07.0128.C23
Gene No.	50135	Strand	+
Start	107	End	217
Name	OJ990524_07.0128.C23.o1.gs	Method	GENSCAN
Start	107	End	217
GI	none	Score	.88
Exons	107..217		

Seq. No.	24053	Seq. ID	OJ990524_07.0128.C25
Gene No.	50136	Strand	+
Start	269	End	4357
Name	OJ990524_07.0128.C25.o1.gs	Method	GENSCAN
Start	269	End	4141
GI	none	Score	.82
Exons	269..415, 1050..1259, 1655..1908, 1995..2265, 2369..2452, 2799..3058, 3060..4141		

Seq. No.	24053	Seq. ID	OJ990524_07.0128.C25
Gene No.	50136	Strand	+
Start	269	End	4357
Name	OJ990524_07.0128.C25.o1.np	Method	AAT/NAP
Start	993	End	4357
GI	2190187	Score	1123
Exons	993..1259, 1655..1908, 1995..2265, 2369..2452, 2799..3999, 4268..4357		
GI Descrip.	(D64087) nuclear matrix constituent protein 1 (NMCP1) [Daucus carota]		

Seq. No.	24053	Seq. ID	OJ990524_07.0128.C25
Gene No.	50136	Strand	+
Start	269	End	4357
Name	OJ990524_07.0128.C25.o2.ts	Method	TBLASTX:Soybean
Start	1046	End	1202
GI	none	Score	183
Exons	1046..1201, 1047..1202		

Seq. No.	24053	Seq. ID	OJ990524_07.0128.C25
Gene No.	50136	Strand	+
Start	269	End	4357
Name	OJ990524_07.0128.C25.o2.tm	Method	TBLASTX:Maize
Start	1703	End	2894
GI	none	Score	219
Exons	1703..1909, 1713..1901, 1996..2265, 1996..2079, 2025..2291, 2027..2149, 2085..2267, 2195..2287, 2796..2846, 2797..2871, 2802..2894		

Seq. No.	24053	Seq. ID	OJ990524_07.0128.C25
Gene No.	50136	Strand	+
Start	269	End	4357
Name	OJ990524_07.0128.C25.o1.tc	Method	TBLASTX:Cress
Start	1724	End	2148
GI	none	Score	150
Exons	1724..1900, 1996..2148		

Seq. No.	24053	Seq. ID	OJ990524_07.0128.C25
Gene No.	50136	Strand	+
Start	269	End	4357
Name	OJ990524_07.0128.C25.o1.gp	Method	AAT/GAP
Start	2221	End	4280
GI	28205_1.R1084	Score	3068
Exons	2221..2265, 2369..2452, 2799..4280		
GI Descrip.	'4850405/gb|AAD31075.1|AC007357_24 1.0e-57 (AC007357) Similar to gb_D64087 nuclear matrix constituent protein 1 (NMCP1) from Daucus carota. [Arabidopsis thaliana]'		

Seq. No.	24053	Seq. ID	OJ990524_07.0128.C25
Gene No.	50136	Strand	+
Start	269	End	4357
Name	OJ990524_07.0128.C25.o1.ts	Method	TBLASTX:Soybean
Start	2856	End	3393
GI	none	Score	61
Exons	2856..3008, 3076..3393, 3199..3333		

Seq. No.	24053	Seq. ID	OJ990524_07.0128.C25
Gene No.	50136	Strand	+
Start	269	End	4357
Name	OJ990524_07.0128.C25.o4.tm	Method	TBLASTX:Maize
Start	2895	End	3107
GI	none	Score	184
Exons	2895..3107, 2918..3052		

Seq. No.	24053	Seq. ID	OJ990524_07.0128.C25
Gene No.	50136	Strand	+
Start	269	End	4357
Name	OJ990524_07.0128.C25.o3.tm	Method	TBLASTX:Maize
Start	3112	End	3456
GI	none	Score	222
Exons	3112..3303, 3122..3304, 3127..3306, 3307..3390, 3309..3347, 3317..3454, 3379..3456		

Seq. No.	24053	Seq. ID	OJ990524_07.0128.C25
Gene No.	50136	Strand	+
Start	269	End	4357
Name	OJ990524_07.0128.C25.o1.tm	Method	TBLASTX:Maize
Start	3457	End	4291
GI	none	Score	103
Exons	3457..3633, 3464..3634, 3496..3636, 3504..3638, 3621..3881, 3623..4291, 3695..4024, 3838..4290		

Seq. No.	24054	Seq. ID	OJ990524_07.0128.C26
Gene No.	50137	Strand	+
Start	181	End	1647
Name	OJ990524_07.0128.C26.o1.gs	Method	GENSCAN
Start	181	End	1647
GI	none	Score	.84
Exons	181..433, 544..727, 895..1085, 1506..1647		

Seq. No.	24054	Seq. ID	OJ990524_07.0128.C26
Gene No.	50137	Strand	+
Start	181	End	1647
Name	OJ990524_07.0128.C26.o1.gp	Method	AAT/GAP
Start	544	End	1393
GI	none	Score	1270
Exons	544..727, 895..1393		

Seq. No.	24054	Seq. ID	OJ990524_07.0128.C26
Gene No.	50138	Strand	+
Start	2894	End	11852
Name	OJ990524_07.0128.C26.o2.gp	Method	AAT/GAP
Start	2821	End	4058
GI	none	Score	767
Exons	2821..3022, 3424..3582, 4004..4058		

Seq. No.	24054	Seq. ID	OJ990524_07.0128.C26
Gene No.	50138	Strand	+
Start	2894	End	11852
Name	OJ990524 07.0128.C26.o2.gs	Method	GENSCAN
Start	2894	End	10370
GI	none	Score	.79
Exons	2894..3022, 3424..3582, 5291..5692, 7852..7923, 8059..8175,		

8510..8659, 9151..9251, 9598..9684, 10043..10370

Seq. No.	24054	Seq. ID	OJ990524_07.0128.C26
Gene No.	50138	Strand	+
Start	2894	End	11852
Name	OJ990524_07.0128.C26.o1.np	Method	AAT/NAP
Start	3739	End	10180
GI	6634027	Score	162
Exons	3739..3814, 4050..4097, 8102..8175, 8510..8640, 9132..9251, 10043..10180		
GI Descrip.	(AB007857) KIAA0397 protein [Homo sapiens]		

Seq. No.	24054	Seq. ID	OJ990524_07.0128.C26
Gene No.	50138	Strand	+
Start	2894	End	11852
Name	OJ990524_07.0128.C26.o3.gp	Method	AAT/GAP
Start	4173	End	5516
GI	none	Score	799
Exons	4173..4276, 4490..4574, 4996..5050, 5291..5516		

Seq. No.	24054	Seq. ID	OJ990524_07.0128.C26
Gene No.	50138	Strand	+
Start	2894	End	11852
Name	OJ990524_07.0128.C26.o4.gp	Method	AAT/GAP
Start	6274	End	9248
GI	42246_1.R1084	Score	1139
Exons	6274..6308, 7172..7271, 7350..7459, 7852..7923, 8059..8175, 8510..8659, 9151..9248		
GI Descrip.	'5734466/emb|CAB52727.1| 9.0e-33 (AL109832) putative gtpase activating protein [Schizosaccharomyces pombe]'		

Seq. No.	24054	Seq. ID	OJ990524_07.0128.C26
Gene No.	50138	Strand	+
Start	2894	End	11852
Name	OJ990524_07.0128.C26.o2.np	Method	AAT/NAP
Start	7885	End	11852
GI	3925265	Score	356
Exons	7885..7923, 8059..8175, 8510..8659, 9151..9251, 10043..10260, 11814..11852		
GI Descrip.	(Z93394) similar to Probable rabGAP domains [Caenorhabditis elegans]		

Seq. No.	24054	Seq. ID	OJ990524_07.0128.C26
Gene No.	50139	Strand	-
Start	10094	End	10738
Name	OJ990524_07.0128.C26.o3.tm	Method	TBLASTX:Maize
Start	167	End	1070
GI	none	Score	46
Exons	167..205, 168..233, 222..380, 225..308, 232..309, 267..428, 273..419, 344..421, 560..652, 561..653, 608..658, 651..680, 651..680, 653..697, 698..730, 925..981, 969..1070, 985..1068		

Seq. No.	24054	Seq. ID	OJ990524_07.0128.C26
Gene No.	50139	Strand	-
Start	10094	End	10738
Name	OJ990524_07.0128.C26.o2.tm	Method	TBLASTX:Maize
Start	3423	End	5665

GI	none	Score	217
Exons	3423..3581, 3424..3582, 3505..3591, 3990..4073, 3991..4077, 3996..4073, 4004..4078, 4134..4277, 4137..4277, 4168..4287, 4171..4278, 4486..4575, 4488..4577, 4488..4577, 4489..4578, 4493..4585, 4988..5050, 4989..5051, 4993..5046, 5272..5559, 5279..5563, 5279..5602, 5565..5615, 5567..5614, 5615..5662, 5630..5665		

Seq. No.	24054	Seq. ID	OJ990524_07.0128.C26
Gene No.	50139	Strand	-
Start	10094	End	10738
Name	OJ990524_07.0128.C26.o1.tm	Method	TBLASTX:Maize
Start	7163	End	10379
GI	none	Score	156
Exons	7163..7273, 7164..7274, 7171..7278, 7346..7447, 7349..7459, 7350..7457, 7838..7930, 7849..7926, 8057..8182, 8058..8174, 8058..8198, 8059..8199, 8473..8658, 8490..8657, 8491..8661, 8501..8662, 8507..8674, 9142..9285, 9148..9255, 10040..10339, 10040..10378, 10041..10379		

Seq. No.	24054	Seq. ID	OJ990524_07.0128.C26
Gene No.	50139	Strand	-
Start	10094	End	10738
Name	OJ990524_07.0128.C26.o1.ts	Method	TBLASTX:Soybean
Start	7169	End	10375
GI	none	Score	134
Exons	7169..7318, 7171..7359, 7336..7455, 7349..7459, 7848..7925, 7849..7926, 8058..8198, 8058..8198, 8059..8199, 8491..8577, 8501..8569, 8568..8654, 8569..8655, 8573..8662, 8576..8668, 9142..9285, 9148..9255, 9149..9292, 10036..10191, 10040..10321, 10040..10375, 10041..10361		

Seq. No.	24054	Seq. ID	OJ990524_07.0128.C26
Gene No.	50139	Strand	-
Start	10094	End	10738
Name	OJ990524_07.0128.C26.o1.tc	Method	TBLASTX:Cress
Start	9220	End	10328
GI	none	Score	70
Exons	9220..9285, 10040..10216, 10040..10327, 10041..10328		

Seq. No.	24054	Seq. ID	OJ990524_07.0128.C26
Gene No.	50139	Strand	-
Start	10094	End	10738
Name	OJ990524_07.0128.C26.o5.gp	Method	AAT/GAP
Start	10094	End	10738
GI	none	Score	1209
Exons	10094..10738		

Seq. No.	24055	Seq. ID	OJ990524_07.0128.C27
Gene No.	50140	Strand	-
Start	3375	End	5922
Name	OJ990524_07.0128.C27.o1.np	Method	AAT/NAP
Start	3375	End	5922
GI	4006833	Score	222
Exons	3375..3421, 5352..5922		
GI Descrip.	(AC005970) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	24055	Seq. ID	OJ990524_07.0128.C27
Gene No.	50141	Strand	-
Start	6610	End	8109
Name	OJ990524_07.0128.C27.o3.tm	Method	TBLASTX:Maize
Start	4424	End	5001
GI	none	Score	70
Exons	4424..4633, 4425..4634, 4676..4867, 4692..4862, 4864..5001		

Seq. No.	24055	Seq. ID	OJ990524_07.0128.C27
Gene No.	50141	Strand	-
Start	6610	End	8109
Name	OJ990524_07.0128.C27.o2.tw	Method	TBLASTX:Wheat
Start	4823	End	5202
GI	none	Score	200
Exons	4823..4867, 4849..5202		

Seq. No.	24055	Seq. ID	OJ990524_07.0128.C27
Gene No.	50141	Strand	-
Start	6610	End	8109
Name	OJ990524_07.0128.C27.o4.tm	Method	TBLASTX:Maize
Start	5095	End	5380
GI	none	Score	94
Exons	5095..5202, 5209..5301, 5294..5380		

Seq. No.	24055	Seq. ID	OJ990524_07.0128.C27
Gene No.	50141	Strand	-
Start	6610	End	8109
Name	OJ990524_07.0128.C27.o2.ts	Method	TBLASTX:Soybean
Start	5318	End	5827
GI	none	Score	154
Exons	5318..5416, 5438..5470, 5477..5827		

Seq. No.	24055	Seq. ID	OJ990524_07.0128.C27
Gene No.	50141	Strand	-
Start	6610	End	8109
Name	OJ990524_07.0128.C27.o1.tw	Method	TBLASTX:Wheat
Start	5366	End	5806
GI	none	Score	61
Exons	5366..5524, 5367..5423, 5510..5806, 5526..5804		

Seq. No.	24055	Seq. ID	OJ990524_07.0128.C27
Gene No.	50141	Strand	-
Start	6610	End	8109
Name	OJ990524_07.0128.C27.o2.tm	Method	TBLASTX:Maize
Start	5439	End	5902
GI	none	Score	62
Exons	5439..5699, 5447..5902, 5739..5900		

Seq. No.	24055	Seq. ID	OJ990524_07.0128.C27
Gene No.	50141	Strand	-
Start	6610	End	8109
Name	OJ990524_07.0128.C27.o1.gp	Method	AAT/GAP
Start	6320	End	6667
GI	none	Score	610
Exons	6320..6667		

Seq. No.	24055	Seq. ID	OJ990524_07.0128.C27
Gene No.	50141	Strand	-
Start	6610	End	8109
Name	OJ990524_07.0128.C27.o1.ts	Method	TBLASTX:Soybean
Start	6589	End	7117
GI	none	Score	143
Exons	6589..6741, 6614..6739, 6769..6924, 6773..6922, 7067..7117		

Seq. No.	24055	Seq. ID	OJ990524_07.0128.C27
Gene No.	50141	Strand	-
Start	6610	End	8109
Name	OJ990524_07.0128.C27.o1.tm	Method	TBLASTX:Maize
Start	6610	End	6921
GI	none	Score	103
Exons	6610..6702, 6611..6706, 6614..6703, 6640..6741, 6695..6739, 6769..6921, 6773..6913		

Seq. No.	24055	Seq. ID	OJ990524_07.0128.C27
Gene No.	50141	Strand	-
Start	6610	End	8109
Name	OJ990524_07.0128.C27.o2.gs	Method	GENSCAN
Start	6610	End	7606
GI	none	Score	.99
Exons	6610..7001, 7051..7606		

Seq. No.	24055	Seq. ID	OJ990524_07.0128.C27
Gene No.	50141	Strand	-
Start	6610	End	8109
Name	OJ990524_07.0128.C27.o2.np	Method	AAT/NAP
Start	6613	End	8109
GI	2618701	Score	407
Exons	6613..6926, 7064..7246, 8035..8109		
GI Descrip.	(AC002510) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24055	Seq. ID	OJ990524_07.0128.C27
Gene No.	50141	Strand	-
Start	6610	End	8109
Name	OJ990524_07.0128.C27.o2.gp	Method	AAT/GAP
Start	6685	End	7161
GI	LIB3433-014-Q6-K1-H3	Score	638
Exons	6685..6926, 7051..7161		
GI Descrip.	'2618701 5.0e-26 (AC002510) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	24056	Seq. ID	OJ990524_07.0128.C28
Gene No.	50142	Strand	+
Start	144	End	2524
Name	OJ990524_07.0128.C28.o1.gs	Method	GENSCAN
Start	144	End	2524
GI	none	Score	.4
Exons	144..398, 1841..2087, 2415..2524		

Seq. No.	24056	Seq. ID	OJ990524_07.0128.C28
Gene No.	50143	Strand	+
Start	2709	End	2976
Name	OJ990524_07.0128.C28.o2.gs	Method	GENSCAN
Start	2709	End	2976

GI	none	Score	.96
Exons	2709..2768, 2773..2976		

Seq. No.	24056	Seq. ID	OJ990524_07.0128.C28
Gene No.	50144	Strand	+
Start	8566	End	12153
Name	OJ990524_07.0128.C28.o2.np	Method	AAT/NAP
Start	8566	End	12132
GI	3152620	Score	933
Exons	8566..8609, 10147..10593, 10663..11128, 11207..12132		
GI Descrip.	(AC004482) putative C2H2-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	24056	Seq. ID	OJ990524_07.0128.C28
Gene No.	50144	Strand	+
Start	8566	End	12153
Name	OJ990524_07.0128.C28.o4.gs	Method	GENSCAN
Start	9324	End	12153
GI	none	Score	.55
Exons	9324..9565, 9918..12153		

Seq. No.	24056	Seq. ID	OJ990524_07.0128.C28
Gene No.	50145	Strand	-
Start	6182	End	9760
Name	OJ990524_07.0128.C28.o1.gp	Method	AAT/GAP
Start	5783	End	6775
GI	none	Score	1425
Exons	5783..6309, 6494..6775		

Seq. No.	24056	Seq. ID	OJ990524_07.0128.C28
Gene No.	50145	Strand	-
Start	6182	End	9760
Name	OJ990524_07.0128.C28.o3.gs	Method	GENSCAN
Start	6182	End	8687
GI	none	Score	.79
Exons	6182..6309, 6494..6578, 6783..6920, 6999..7235, 7580..7717, 7803..8109, 8614..8687		

Seq. No.	24056	Seq. ID	OJ990524_07.0128.C28
Gene No.	50145	Strand	-
Start	6182	End	9760
Name	OJ990524_07.0128.C28.o1.tm	Method	TBLASTX:Maize
Start	6456	End	7955
GI	none	Score	54
Exons	6456..6530, 6463..6534, 6589..6921, 6591..6929, 6997..7083, 6999..7232, 6999..7238, 7003..7239, 7580..7732, 7581..7733, 7581..7733, 7800..7955, 7801..7947		

Seq. No.	24056	Seq. ID	OJ990524_07.0128.C28
Gene No.	50145	Strand	-
Start	6182	End	9760
Name	OJ990524_07.0128.C28.o1.ts	Method	TBLASTX:Soybean
Start	6559	End	7217
GI	none	Score	354
Exons	6559..6921, 6612..6929, 6613..6921, 6663..6929, 6997..7083, 6999..7217, 7003..7215		

Seq. No.	24056	Seq. ID	OJ990524_07.0128.C28
Gene No.	50145	Strand	-
Start	6182	End	9760
Name	OJ990524_07.0128.C28.o1.tc	Method	TBLASTX:Cress
Start	7158	End	7941
GI	none	Score	82
Exons	7158..7238, 7158..7238, 7159..7239, 7160..7243, 7580..7732, 7581..7730, 7800..7940, 7801..7941		

Seq. No.	24056	Seq. ID	OJ990524_07.0128.C28
Gene No.	50145	Strand	-
Start	6182	End	9760
Name	OJ990524_07.0128.C28.o2.gp	Method	AAT/GAP
Start	7183	End	9760
GI	24913_1.R1084	Score	1486
Exons	7183..7235, 7580..7717, 7803..8183, 9408..9536, 9657..9760		
GI Descrip.	'465763/sp|P34308|YKR2_CAEEL 4.0e-45 HYPOTHETICAL 70.9 KD PROTEIN C06G4.2 IN CHROMOSOME III >gi_630525_pir__S44749 C06G4.2 protein - Caenorhabditis elegans >gi_409293 (L25598) homology with calpain; putative [Caenorhabditis elegans]'		

Seq. No.	24056	Seq. ID	OJ990524_07.0128.C28
Gene No.	50146	Strand	
Start	10647	End	10827
Name	OJ990524_07.0128.C28.o3.tm	Method	TBLASTX:Maize
Start	10647	End	10827
GI	none	Score	263
Exons	10647..10823, 10654..10824, 10654..10827		

Seq. No.	24056	Seq. ID	OJ990524_07.0128.C28
Gene No.	50147	Strand	
Start	11217	End	11715
Name	OJ990524_07.0128.C28.o2.tm	Method	TBLASTX:Maize
Start	11217	End	11715
GI	none	Score	186
Exons	11217..11402, 11217..11396, 11218..11430, 11218..11430, 11417..11710, 11433..11459, 11434..11715, 11526..11711		

Seq. No.	24057	Seq. ID	OJ990524_07.0128.C29
Gene No.	50148	Strand	-
Start	35	End	2099
Name	OJ990524_07.0128.C29.o1.ts	Method	TBLASTX:Soybean
Start	1	End	974
GI	none	Score	49
Exons	1..240, 6..218, 68..220, 217..318, 223..315, 228..317, 617..970, 644..970, 648..974		

Seq. No.	24057	Seq. ID	OJ990524_07.0128.C29
Gene No.	50148	Strand	-
Start	35	End	2099
Name	OJ990524_07.0128.C29.o2.tc	Method	TBLASTX:Cress
Start	1	End	797
GI	none	Score	150
Exons	1..318, 2..250, 127..312, 644..787, 644..793, 648..797		

Seq. No.	24057	Seq. ID	OJ990524_07.0128.C29
Gene No.	50148	Strand	-

Start	35	End	2099
Name	OJ990524_07.0128.C29.o3.tm	Method	TBLASTX:Maize
Start	1	End	151
GI	none	Score	131
Exons	1..150, 2..151		

Seq. No.	24057	Seq. ID	OJ990524_07.0128.C29
Gene No.	50148	Strand	-
Start	35	End	2099
Name	OJ990524_07.0128.C29.o1.gs	Method	GENSCAN
Start	35	End	2099
GI	none	Score	.69
Exons	35..315, 710..968, 1161..1480, 1802..2099		

Seq. No.	24057	Seq. ID	OJ990524_07.0128.C29
Gene No.	50148	Strand	-
Start	35	End	2099
Name	OJ990524_07.0128.C29.o1.tm	Method	TBLASTX:Maize
Start	615	End	974
GI	none	Score	64
Exons	615..896, 615..656, 616..666, 617..667, 656..970, 657..971, 945..974		

Seq. No.	24057	Seq. ID	OJ990524_07.0128.C29
Gene No.	50148	Strand	-
Start	35	End	2099
Name	OJ990524_07.0128.C29.o1.tc	Method	TBLASTX:Cress
Start	824	End	1463
GI	none	Score	92
Exons	824..970, 825..971, 1117..1332, 1136..1462, 1143..1463		

Seq. No.	24057	Seq. ID	OJ990524_07.0128.C29
Gene No.	50148	Strand	-
Start	35	End	2099
Name	OJ990524_07.0128.C29.o2.tm	Method	TBLASTX:Maize
Start	1136	End	1390
GI	none	Score	185
Exons	1136..1309, 1139..1303, 1146..1310, 1307..1387, 1308..1385, 1310..1390		

Seq. No.	24058	Seq. ID	OJ990524_07.0128.C30
Gene No.	50149	Strand	+
Start	9042	End	14076
Name	OJ990524_07.0128.C30.o1.np	Method	AAT/NAP
Start	9042	End	14076
GI	6523547	Score	149
Exons	9042..9631, 13711..13798, 13891..14076		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	24058	Seq. ID	OJ990524_07.0128.C30
Gene No.	50150	Strand	-
Start	299	End	6700
Name	OJ990524_07.0128.C30.o1.gs	Method	GENSCAN
Start	299	End	6700
GI	none	Score	.8
Exons	299..370, 621..783, 939..1030, 1627..1738, 1824..1974,		

2069..2342, 2741..2903, 3153..3337, 4685..5631, 6298..6700

Seq. No.	24059	Seq. ID	OJ990524_07.0128.C31
Gene No.	50151	Strand	+
Start	3769	End	9963
Name	OJ990524_07.0128.C31.o1.gs	Method	GENSCAN
Start	3769	End	9963
GI	none	Score	.56
Exons	3769..4269, 6007..6287, 6343..6500, 6726..6970, 7228..7311, 7631..7785, 7908..8005, 8142..8250, 8350..8507, 8873..9015, 9829..9963		

Seq. No.	24059	Seq. ID	OJ990524_07.0128.C31
Gene No.	50151	Strand	+
Start	3769	End	9963
Name	OJ990524_07.0128.C31.o2.np	Method	AAT/NAP
Start	6028	End	9957
GI	3355626	Score	1314
Exons	6028..6066, 6784..6970, 7228..7315, 7635..7785, 7908..8005, 8142..8250, 8350..8507, 8873..9015, 9110..9250, 9829..9957		
GI Descrip.	(Y09204) histidinol-phosphate aminotransferase [Nicotiana tabacum]		

Seq. No.	24059	Seq. ID	OJ990524_07.0128.C31
Gene No.	50151	Strand	+
Start	3769	End	9963
Name	OJ990524_07.0128.C31.o2.gp	Method	AAT/GAP
Start	7677	End	8398
GI	LIB3475-004-P1-K2-H6	Score	646
Exons	7677..7785, 7908..8005, 8142..8250, 8350..8398		
GI Descrip.	'3355626/emb|CAA70403| 4.0e-52 (Y09204) histidinol-phosphate aminotransferase [Nicotiana tabacum]'		

Seq. No.	24059	Seq. ID	OJ990524_07.0128.C31
Gene No.	50151	Strand	+
Start	3769	End	9963
Name	OJ990524_07.0128.C31.o3.gp	Method	AAT/GAP
Start	9218	End	9649
GI	LIB3433-024-P1-K1-E2	Score	793
Exons	9218..9649		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-33 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	24059	Seq. ID	OJ990524_07.0128.C31
Gene No.	50152	Strand	+
Start	10655	End	10908
Name	OJ990524_07.0128.C31.o2.gs	Method	GENSCAN
Start	10655	End	10908
GI	none	Score	.9
Exons	10655..10669, 10723..10908		

Seq. No.	24059	Seq. ID	OJ990524_07.0128.C31
Gene No.	50153	Strand	-
Start	1	End	1700
Name	OJ990524_07.0128.C31.o1.np	Method	AAT/NAP
Start	1	End	1700
GI	6721547	Score	96

Exons	1..74, 1593..1700		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	24059	Seq. ID	OJ990524_07.0128.C31
Gene No.	50154	Strand	-
Start	6842	End	6973
Name	OJ990524_07.0128.C31.o1.gp	Method	AAT/GAP
Start	6842	End	6973
GI	3106602	Score	187
Exons	6842..6973		
GI Descrip.	3355626/emb|CAA70403| 7.0e-09 (Y09204) histidinol-phosphate aminotransferase [Nicotiana tabacum]		
Seq. No.	24059	Seq. ID	OJ990524_07.0128.C31
Gene No.	50155	Strand	-
Start	13084	End	17455
Name	OJ990524_07.0128.C31.o1.tm	Method	TBLASTX:Maize
Start	6803	End	10063
GI	none	Score	110
Exons	6803..6838, 6884..6982, 6889..6987, 7218..7313, 7218..7313, 7219..7317, 7628..7786, 7628..7783, 7630..7788, 7738..7788, 7905..8003, 7906..8004, 8140..8163, 8141..8161, 8152..8256, 8153..8248, 8158..8250, 8316..8510, 8347..8520, 8348..8503, 8868..9014, 8869..9015, 9086..9250, 9104..9250, 9114..9266, 9138..9260, 9816..9962, 9826..9963, 9828..9962, 9866..9964, 10015..10053, 10019..10063		
Seq. No.	24059	Seq. ID	OJ990524_07.0128.C31
Gene No.	50155	Strand	-
Start	13084	End	17455
Name	OJ990524_07.0128.C31.o3.ts	Method	TBLASTX:Soybean
Start	6901	End	8212
GI	none	Score	111
Exons	6901..6987, 6902..6982, 7215..7316, 7218..7313, 7219..7314, 7628..7750, 7679..7786, 7735..7782, 7906..8004, 7911..8003, 8140..8208, 8141..8212		
Seq. No.	24059	Seq. ID	OJ990524_07.0128.C31
Gene No.	50155	Strand	-
Start	13084	End	17455
Name	OJ990524_07.0128.C31.o1.tc	Method	TBLASTX:Cress
Start	7616	End	8398
GI	none	Score	231
Exons	7616..7783, 7631..7786, 7735..7794, 7905..8003, 7906..8004, 8140..8250, 8141..8248, 8348..8398		
Seq. No.	24059	Seq. ID	OJ990524_07.0128.C31
Gene No.	50155	Strand	-
Start	13084	End	17455
Name	OJ990524_07.0128.C31.o1.ts	Method	TBLASTX:Soybean
Start	8216	End	9954
GI	none	Score	60
Exons	8216..8248, 8311..8478, 8348..8476, 8358..8504, 8366..8503, 8388..8510, 8393..8509, 8865..9014, 8869..9015, 8872..9015, 9086..9250, 9107..9241, 9162..9251, 9169..9261, 9816..9953, 9826..9954		

Seq. No.	24059	Seq. ID	OJ990524_07.0128.C31
Gene No.	50155	Strand	-
Start	13084	End	17455
Name	OJ990524_07.0128.C31.o3.np	Method	AAT/NAP
Start	13084	End	15940
GI	4249416	Score	567
Exons	13084..13148, 14362..14574, 14671..14751, 14842..15051, 15304..15449, 15515..15704, 15810..15940		
GI Descrip.	(AC006072) putative exonuclease [Arabidopsis thaliana]		

Seq. No.	24059	Seq. ID	OJ990524_07.0128.C31
Gene No.	50155	Strand	-
Start	13084	End	17455
Name	OJ990524_07.0128.C31.o4.gs	Method	GENSCAN
Start	14346	End	17455
GI	none	Score	.72
Exons	14346..14751, 14842..15051, 15304..15473, 15569..15702, 15814..15965, 16353..16519, 17345..17455		

Seq. No.	24059	Seq. ID	OJ990524_07.0128.C31
Gene No.	50155	Strand	-
Start	13084	End	17455
Name	OJ990524_07.0128.C31.o4.ts	Method	TBLASTX:Soybean
Start	14716	End	15464
GI	none	Score	52
Exons	14716..14754, 14829..14918, 14937..15050, 14956..15051, 15264..15437, 15294..15464, 15343..15453		

Seq. No.	24059	Seq. ID	OJ990524_07.0128.C31
Gene No.	50155	Strand	-
Start	13084	End	17455
Name	OJ990524_07.0128.C31.o2.ts	Method	TBLASTX:Soybean
Start	15602	End	15968
GI	none	Score	153
Exons	15602..15721, 15812..15967, 15813..15968		

Seq. No.	24059	Seq. ID	OJ990524_07.0128.C31
Gene No.	50155	Strand	-
Start	13084	End	17455
Name	OJ990524_07.0128.C31.o2.tm	Method	TBLASTX:Maize
Start	15626	End	16558
GI	none	Score	106
Exons	15626..15733, 15627..15704, 15812..15967, 15813..15971, 15900..15968, 16349..16393, 16351..16389, 16493..16558		

Seq. No.	24059	Seq. ID	OJ990524_07.0128.C31
Gene No.	50155	Strand	-
Start	13084	End	17455
Name	OJ990524_07.0128.C31.o2.tc	Method	TBLASTX:Cress
Start	15845	End	15973
GI	none	Score	133
Exons	15845..15973, 15849..15968		

Seq. No.	24060	Seq. ID	OJ990524_07.0128.C32
Gene No.	50156	Strand	+
Start	1	End	396
Name	OJ990524_07.0128.C32.o1.gp	Method	AAT/GAP

Start	1	End	192
GI	28205_1.R1084	Score	275
Exons	1..192		
GI Descrip.	'4850405/gb|AAD31075.1|AC007357_24 1.0e-57 (AC007357) Similar to gb_D64087 nuclear matrix constituent protein 1 (NMCP1) from Daucus carota. [Arabidopsis thaliana]'		

Seq. No.	24060	Seq. ID	OJ990524_07.0128.C32
Gene No.	50156	Strand	+
Start	1	End	396
Name	OJ990524_07.0128.C32.o1.tm	Method	TBLASTX:Maize
Start	14	End	396
GI	none	Score	298
Exons	14..253, 28..273, 36..263, 277..396, 278..388		

Seq. No.	24060	Seq. ID	OJ990524_07.0128.C32
Gene No.	50156	Strand	+
Start	1	End	396
Name	OJ990524_07.0128.C32.o1.gs	Method	GENSCAN
Start	77	End	223
GI	none	Score	.8
Exons	77..223		

Seq. No.	24061	Seq. ID	OJ990524_07.0128.C33
Gene No.	50157	Strand	-
Start	324	End	420
Name	OJ990524_07.0128.C33.o1.gs	Method	GENSCAN
Start	324	End	420
GI	none	Score	.77
Exons	324..420		

Seq. No.	24062	Seq. ID	OJ990524_07.0128.C34
Gene No.	50158	Strand	-
Start	105	End	215
Name	OJ990524_07.0128.C34.o1.gs	Method	GENSCAN
Start	105	End	215
GI	none	Score	.9
Exons	105..215		

Seq. No.	24063	Seq. ID	OJ990524_07.0128.C35
Gene No.	50159	Strand	-
Start	17	End	446
Name	OJ990524_07.0128.C35.o1.gs	Method	GENSCAN
Start	17	End	446
GI	none	Score	.43
Exons	17..192, 369..446		

Seq. No.	24064	Seq. ID	OJ990324_01.0103.C2
Gene No.	50160	Strand	+
Start	1	End	555
Name	OJ990324_01.0103.C2.o1.np	Method	AAT/NAP
Start	1	End	555
GI	6721512	Score	71
Exons	1..101, 508..555		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	24065	Seq. ID	OJ990324_01.0103.C5

Gene No.	50161	Strand	+
Start	362	End	522
Name	OJ990324_01.0103.C5.o1.gs	Method	GENSCAN
Start	362	End	522
GI	none	Score	.7
Exons	362..522		

Seq. No.	24065	Seq. ID	OJ990324_01.0103.C5
Gene No.	50162	Strand	-
Start	982	End	1164
Name	OJ990324_01.0103.C5.o2.gs	Method	GENSCAN
Start	982	End	1164
GI	none	Score	.61
Exons	982..1164		

Seq. No.	24066	Seq. ID	OJ990324_01.0103.C6
Gene No.	50163	Strand	-
Start	303	End	445
Name	OJ990324_01.0103.C6.o1.gs	Method	GENSCAN
Start	303	End	445
GI	none	Score	.61
Exons	303..445		

Seq. No.	24067	Seq. ID	OJ990324_01.0103.C10
Gene No.	50164	Strand	+
Start	213	End	425
Name	OJ990324_01.0103.C10.o1.gs	Method	GENSCAN
Start	213	End	425
GI	none	Score	.95
Exons	213..425		

Seq. No.	24068	Seq. ID	OJ990324_01.0103.C12
Gene No.	50165	Strand	+
Start	224	End	298
Name	OJ990324_01.0103.C12.o1.gs	Method	GENSCAN
Start	224	End	298
GI	none	Score	.58
Exons	224..298		

Seq. No.	24069	Seq. ID	OJ990324_01.0103.C14
Gene No.	50166	Strand	+
Start	188	End	608
Name	OJ990324_01.0103.C14.o1.gp	Method	AAT/GAP
Start	188	End	608
GI	LIB3477-003-P1-K1-E9	Score	96
Exons	188..250, 579..608		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	24069	Seq. ID	OJ990324_01.0103.C14
Gene No.	50167	Strand	+
Start	650	End	710
Name	OJ990324_01.0103.C14.o1.gs	Method	GENSCAN
Start	650	End	710
GI	none	Score	.66
Exons	650..710		

Seq. No.	24070	Seq. ID	OJ990324_01.0103.C21
Gene No.	50168	Strand	-
Start	1565	End	2206
Name	OJ990324_01.0103.C21.o1.gs	Method	GENSCAN
Start	1565	End	2206
GI	none	Score	.56
Exons	1565..2206		

Seq. No.	24071	Seq. ID	OJ990324_01.0103.C22
Gene No.	50169	Strand	-
Start	2139	End	2742
Name	OJ990324_01.0103.C22.o1.gs	Method	GENSCAN
Start	2139	End	2742
GI	none	Score	.77
Exons	2139..2192, 2588..2742		

Seq. No.	24072	Seq. ID	OJ990324_01.0103.C23
Gene No.	50170	Strand	+
Start	615	End	700
Name	OJ990324_01.0103.C23.o1.gs	Method	GENSCAN
Start	615	End	700
GI	none	Score	.67
Exons	615..700		

Seq. No.	24073	Seq. ID	OJ990324_01.0103.C26
Gene No.	50171	Strand	+
Start	925	End	1980
Name	OJ990324_01.0103.C26.o1.gs	Method	GENSCAN
Start	925	End	1980
GI	none	Score	.77
Exons	925..1016, 1162..1249, 1910..1980		

Seq. No.	24074	Seq. ID	OJ990324_01.0103.C27
Gene No.	50172	Strand	+
Start	260	End	2999
Name	OJ990324_01.0103.C27.o1.gs	Method	GENSCAN
Start	260	End	2999
GI	none	Score	.55
Exons	260..270, 517..598, 1542..1654, 2558..2576, 2814..2999		

Seq. No.	24074	Seq. ID	OJ990324_01.0103.C27
Gene No.	50173	Strand	+
Start	4805	End	5565
Name	OJ990324_01.0103.C27.o1.np	Method	AAT/NAP
Start	4805	End	5565
GI	6016874	Score	101
Exons	4805..4906, 5342..5565		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	24074	Seq. ID	OJ990324_01.0103.C27
Gene No.	50174	Strand	-
Start	4832	End	7571
Name	OJ990324_01.0103.C27.o2.gs	Method	GENSCAN
Start	4832	End	7571

GI	none	Score	.81
Exons	4832..5340, 5389..5818, 5838..5925, 7519..7571		

Seq. No.	24074	Seq. ID	OJ990324_01.0103.C27
Gene No.	50174	Strand	-
Start	4832	End	7571
Name	OJ990324_01.0103.C27.o1.gp	Method	AAT/GAP
Start	7133	End	7413
GI	3762147	Score	466
Exons	7133..7413		

Seq. No.	24074	Seq. ID	OJ990324_01.0103.C27
Gene No.	50175	Strand	-
Start	7483	End	7677
Name	OJ990324_01.0103.C27.o2.np	Method	AAT/NAP
Start	7483	End	7677
GI	453692	Score	156
Exons	7483..7677		
GI Descrip.	(L24390) AT hook 1 from AA 98-106, AT hook 2 from AA 129-137, AT hook 3 from AA 154-162, AT hook 4 from AA 192-200. [Oryza sativa]		

Seq. No.	24075	Seq. ID	OJ990324_01.0103.C28
Gene No.	50176	Strand	-
Start	33	End	86
Name	OJ990324_01.0103.C28.o1.gs	Method	GENSCAN
Start	33	End	86
GI	none	Score	.41
Exons	33..86		

Seq. No.	24075	Seq. ID	OJ990324_01.0103.C28
Gene No.	50177	Strand	-
Start	2821	End	3017
Name	OJ990324_01.0103.C28.o2.gs	Method	GENSCAN
Start	2821	End	3017
GI	none	Score	.71
Exons	2821..3017		

Seq. No.	24076	Seq. ID	OJ990324_01.0103.C29
Gene No.	50178	Strand	-
Start	1	End	962
Name	OJ990324_01.0103.C29.o1.np	Method	AAT/NAP
Start	1	End	962
GI	994736	Score	105
Exons	1..81, 810..962		
GI Descrip.	(M18327) LacOPZ-alpha peptide from pUC9; putative [cloning vectors] gi|994738 (M18328) LacOPZ-alpha peptide from pUC9; putative [cloning vectors] gi|994740 (M18329) LacOPZ-alpha peptide from pUC9; putative [cloning vectors]		

Seq. No.	24077	Seq. ID	OJ990324_01.0103.C30
Gene No.	50179	Strand	-
Start	1	End	328
Name	OJ990324_01.0103.C30.o1.gp	Method	AAT/GAP
Start	1	End	328
GI	LIB3432-059-P1-K1-D8	Score	608
Exons	1..328		

GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	24078	Seq. ID	OJ990324_01.0103.C32
Gene No.	50180	Strand	-
Start	1	End	280
Name	OJ990324_01.0103.C32.o1.gp	Method	AAT/GAP
Start	1	End	280
GI	none	Score	482
Exons	1..280		
Seq. No.	24079	Seq. ID	OJ990324_01.0103.C33
Gene No.	50181	Strand	+
Start	539	End	3728
Name	OJ990324_01.0103.C33.o1.gs	Method	GENSCAN
Start	539	End	3728
GI	none	Score	.6
Exons	539..634, 737..838, 1095..1165, 1683..1934, 2697..2869, 3162..3429, 3547..3728		
Seq. No.	24079	Seq. ID	OJ990324_01.0103.C33
Gene No.	50181	Strand	+
Start	539	End	3728
Name	OJ990324_01.0103.C33.o1.tm	Method	TBLASTX:Maize
Start	3003	End	3669
GI	none	Score	35
Exons	3003..3026, 3003..3026, 3005..3049, 3030..3071, 3031..3078, 3078..3230, 3079..3237, 3136..3288, 3190..3429, 3241..3384, 3245..3433, 3254..3430, 3544..3618, 3545..3667, 3545..3667, 3547..3669		
Seq. No.	24080	Seq. ID	OJ990324_01.0103.C34
Gene No.	50182	Strand	+
Start	1	End	2284
Name	OJ990324_01.0103.C34.o1.np	Method	AAT/NAP
Start	1	End	2032
GI	3915300	Score	277
Exons	1..148, 266..431, 544..749, 847..966, 1065..1274, 1901..2032		
GI Descrip.	DNA-REPAIR PROTEIN COMPLEMENTING XP-C CELLS HOMOLOG (XERODERMA PIGMENTOSUM GROUP C COMPLEMENTING PROTEIN HOMOLOG) (XPCDM) gi|630881|pir||S42402 xeroderma pigmentosum group C complementing factor - fruit fly (Drosophila melanogaster) gi|434008|emb|CAA82262| (Z28622) xeroderma pigmentosum group C complementing factor [Drosophila melanogaster]		
Seq. No.	24080	Seq. ID	OJ990324_01.0103.C34
Gene No.	50182	Strand	+
Start	1	End	2284
Name	OJ990324_01.0103.C34.o1.gs	Method	GENSCAN
Start	266	End	2284
GI	none	Score	.77
Exons	266..460, 544..703, 811..966, 1065..1274, 1901..2284		
Seq. No.	24080	Seq. ID	OJ990324_01.0103.C34
Gene No.	50183	Strand	-
Start	2316	End	2554
Name	OJ990324_01.0103.C34.o1.tm	Method	TBLASTX:Maize

Start	35	End	388
GI	none	Score	155
Exons	35..148, 36..152, 36..149, 263..337, 264..386, 264..386, 265..387, 266..388		

Seq. No.	24080	Seq. ID	OJ990324_01.0103.C34
Gene No.	50183	Strand	-
Start	2316	End	2554
Name	OJ990324_01.0103.C34.o1.gp	Method	AAT/GAP
Start	2316	End	2554
GI	3107103	Score	411
Exons	2316..2554		

Seq. No.	24081	Seq. ID	OJ990324_01.0103.C35
Gene No.	50184	Strand	+
Start	29	End	304
Name	OJ990324_01.0103.C35.o1.gs	Method	GENSCAN
Start	29	End	304
GI	none	Score	.79
Exons	29..108, 214..304		

Seq. No.	24082	Seq. ID	OJ990324_01.0103.C37
Gene No.	50185	Strand	-
Start	117	End	616
Name	OJ990324_01.0103.C37.o1.gs	Method	GENSCAN
Start	117	End	616
GI	none	Score	.86
Exons	117..201, 316..616		

Seq. No.	24083	Seq. ID	OJ990324_01.0103.C38
Gene No.	50186	Strand	-
Start	10	End	750
Name	OJ990324_01.0103.C38.o1.np	Method	AAT/NAP
Start	10	End	750
GI	1430846	Score	36
Exons	10..94, 589..652, 692..750		
GI Descrip.	(X99210) myb-related transcription factor [Lycopersicon esculentum]		

Seq. No.	24083	Seq. ID	OJ990324_01.0103.C38
Gene No.	50186	Strand	-
Start	10	End	750
Name	OJ990324_01.0103.C38.o1.gs	Method	GENSCAN
Start	318	End	719
GI	none	Score	.55
Exons	318..719		

Seq. No.	24084	Seq. ID	OJ990324_01.0103.C40
Gene No.	50187	Strand	-
Start	1	End	672
Name	OJ990324_01.0103.C40.o1.np	Method	AAT/NAP
Start	1	End	672
GI	5042454	Score	229
Exons	1..54, 510..672		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	24085	Seq. ID	OJ990324_01.0103.C41

Gene No.	50188	Strand	+
Start	61	End	296
Name	OJ990324_01.0103.C41.o1.gs	Method	GENSCAN
Start	61	End	296
GI	none	Score	.83
Exons	61..296		

Seq. No.	24085	Seq. ID	OJ990324_01.0103.C41
Gene No.	50189	Strand	-
Start	940	End	2755
Name	OJ990324_01.0103.C41.o2.gs	Method	GENSCAN
Start	940	End	2712
GI	none	Score	.83
Exons	940..2712		

Seq. No.	24085	Seq. ID	OJ990324_01.0103.C41
Gene No.	50189	Strand	-
Start	940	End	2755
Name	OJ990324_01.0103.C41.o1.np	Method	AAT/NAP
Start	943	End	2755
GI	6498441	Score	2770
Exons	943..1224, 1318..2755		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	24085	Seq. ID	OJ990324_01.0103.C41
Gene No.	50189	Strand	-
Start	940	End	2755
Name	OJ990324_01.0103.C41.o2.tm	Method	TBLASTX:Maize
Start	943	End	1083
GI	none	Score	126
Exons	943..1083, 944..1078		

Seq. No.	24085	Seq. ID	OJ990324_01.0103.C41
Gene No.	50189	Strand	-
Start	940	End	2755
Name	OJ990324_01.0103.C41.o2.tw	Method	TBLASTX:Wheat
Start	952	End	1554
GI	none	Score	77
Exons	952..1077, 956..1078, 1270..1554, 1271..1549		

Seq. No.	24085	Seq. ID	OJ990324_01.0103.C41
Gene No.	50189	Strand	-
Start	940	End	2755
Name	OJ990324_01.0103.C41.o1.tw	Method	TBLASTX:Wheat
Start	1555	End	1936
GI	none	Score	167
Exons	1555..1935, 1586..1834, 1880..1936		

Seq. No.	24085	Seq. ID	OJ990324_01.0103.C41
Gene No.	50189	Strand	-
Start	940	End	2755
Name	OJ990324_01.0103.C41.o1.tm	Method	TBLASTX:Maize
Start	1750	End	2073
GI	none	Score	185
Exons	1750..2073, 1763..2044		

Seq. No.	24085	Seq. ID	OJ990324_01.0103.C41
Gene No.	50189	Strand	-
Start	940	End	2755
Name	OJ990324_01.0103.C41.o3.tw	Method	TBLASTX:Wheat
Start	2347	End	2733
GI	none	Score	175
Exons	2347..2520, 2390..2719, 2581..2733		

Seq. No.	24086	Seq. ID	OJ990324_01.0103.C42
Gene No.	50190	Strand	-
Start	1	End	4799
Name	OJ990324_01.0103.C42.o1.np	Method	AAT/NAP
Start	1	End	4799
GI	6498441	Score	2462
Exons	1..506, 699..939, 1114..1248, 1432..1805, 1869..2338, 4742..4799		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	24086	Seq. ID	OJ990324_01.0103.C42
Gene No.	50190	Strand	-
Start	1	End	4799
Name	OJ990324_01.0103.C42.o4.tw	Method	TBLASTX:Wheat
Start	15	End	278
GI	none	Score	160
Exons	15..278, 16..264		

Seq. No.	24086	Seq. ID	OJ990324_01.0103.C42
Gene No.	50190	Strand	-
Start	1	End	4799
Name	OJ990324_01.0103.C42.o1.ts	Method	TBLASTX:Soybean
Start	777	End	1148
GI	none	Score	90
Exons	777..1148, 988..1131		

Seq. No.	24086	Seq. ID	OJ990324_01.0103.C42
Gene No.	50190	Strand	-
Start	1	End	4799
Name	OJ990324_01.0103.C42.o2.tw	Method	TBLASTX:Wheat
Start	802	End	1226
GI	none	Score	326
Exons	802..1221, 807..1226		

Seq. No.	24086	Seq. ID	OJ990324_01.0103.C42
Gene No.	50190	Strand	-
Start	1	End	4799
Name	OJ990324_01.0103.C42.o2.tm	Method	TBLASTX:Maize
Start	900	End	1284
GI	none	Score	217
Exons	900..1283, 919..1284		

Seq. No.	24086	Seq. ID	OJ990324_01.0103.C42
Gene No.	50190	Strand	-
Start	1	End	4799
Name	OJ990324_01.0103.C42.o1.tm	Method	TBLASTX:Maize
Start	1311	End	1667

GI	none	Score	111
Exons	1311..1616, 1311..1667, 1312..1632		

Seq. No.	24086	Seq. ID	OJ990324_01.0103.C42
Gene No.	50190	Strand	-
Start	1	End	4799
Name	OJ990324_01.0103.C42.o1.tw	Method	TBLASTX:Wheat
Start	1335	End	1798
GI	none	Score	395
Exons	1335..1796, 1336..1797, 1355..1798		

Seq. No.	24086	Seq. ID	OJ990324_01.0103.C42
Gene No.	50190	Strand	-
Start	1	End	4799
Name	OJ990324_01.0103.C42.o2.ts	Method	TBLASTX:Soybean
Start	1392	End	1757
GI	none	Score	116
Exons	1392..1526, 1533..1757		

Seq. No.	24086	Seq. ID	OJ990324_01.0103.C42
Gene No.	50190	Strand	-
Start	1	End	4799
Name	OJ990324_01.0103.C42.o3.tw	Method	TBLASTX:Wheat
Start	1965	End	2408
GI	none	Score	176
Exons	1965..2408, 1993..2253, 2286..2408		

Seq. No.	24087	Seq. ID	OJ990324_01.0103.C43
Gene No.	50191	Strand	+
Start	307	End	5384
Name	OJ990324_01.0103.C43.o1.gs	Method	GENSCAN
Start	307	End	5046
GI	none	Score	.63
Exons	307..637, 1284..1425, 1743..2014, 2089..2105, 2267..2431, 3501..3684, 3782..3891, 4585..4739, 4803..5046		

Seq. No.	24087	Seq. ID	OJ990324_01.0103.C43
Gene No.	50191	Strand	+
Start	307	End	5384
Name	OJ990324_01.0103.C43.o1.np	Method	AAT/NAP
Start	321	End	1389
GI	6721516	Score	261
Exons	321..645, 1219..1389		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	24087	Seq. ID	OJ990324_01.0103.C43
Gene No.	50191	Strand	+
Start	307	End	5384
Name	OJ990324_01.0103.C43.o2.tm	Method	TBLASTX:Maize
Start	2131	End	3077
GI	none	Score	273
Exons	2131..2310, 2132..2311, 2939..3076, 2976..3077, 2982..3068, 2983..3069, 2984..3076		

Seq. No.	24087	Seq. ID	OJ990324_01.0103.C43
Gene No.	50191	Strand	+
Start	307	End	5384

Name	OJ990324_01.0103.C43.o2.np	Method	AAT/NAP
Start	2135	End	5384
GI	6587808	Score	964
Exons	2135..2310, 2984..3077, 3501..3684, 3782..3891, 4388..4483, 4585..5046, 5219..5384		
GI Descrip.	(AC010924) Contains similarity to gb|AF151801 CGI-43 protein from Homo sapiens. EST gb|AI999800 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	24087	Seq. ID	OJ990324_01.0103.C43
Gene No.	50191	Strand	+
Start	307	End	5384
Name	OJ990324_01.0103.C43.o1.tc	Method	TBLASTX:Cress
Start	2141	End	2311
GI	none	Score	182
Exons	2141..2311		

Seq. No.	24087	Seq. ID	OJ990324_01.0103.C43
Gene No.	50191	Strand	+
Start	307	End	5384
Name	OJ990324_01.0103.C43.o2.ts	Method	TBLASTX:Soybean
Start	2144	End	3079
GI	none	Score	186
Exons	2144..2311, 2224..2310, 2981..3079, 2982..3068		

Seq. No.	24087	Seq. ID	OJ990324_01.0103.C43
Gene No.	50191	Strand	+
Start	307	End	5384
Name	OJ990324_01.0103.C43.o1.tm	Method	TBLASTX:Maize
Start	3589	End	5340
GI	none	Score	148
Exons	3589..3678, 3590..3682, 3591..3683, 3767..3889, 3778..3891, 4370..4483, 4382..4483, 4384..4485, 4387..4485, 4583..4744, 4584..4724, 4584..4751, 4612..4740, 4640..4741, 4800..5015, 4800..5045, 4801..5052, 4802..5047, 5219..5314, 5220..5324, 5310..5339, 5314..5340		

Seq. No.	24087	Seq. ID	OJ990324_01.0103.C43
Gene No.	50191	Strand	+
Start	307	End	5384
Name	OJ990324_01.0103.C43.o1.ts	Method	TBLASTX:Soybean
Start	4773	End	5019
GI	none	Score	76
Exons	4773..4991, 4774..5019, 4787..4951, 4800..5012		

Seq. No.	24087	Seq. ID	OJ990324_01.0103.C43
Gene No.	50191	Strand	+
Start	307	End	5384
Name	OJ990324_01.0103.C43.o1.gp	Method	AAT/GAP
Start	4990	End	5341
GI	none	Score	286
Exons	4990..5046, 5219..5341		

Seq. No.	24088	Seq. ID	OJ990324_01.0103.C44
Gene No.	50192	Strand	+
Start	1	End	844
Name	OJ990324_01.0103.C44.o1.np	Method	AAT/NAP

Start	1	End	844
GI	6587808	Score	371
Exons	1..301, 587..844		
GI Descrip.	(AC010924) Contains similarity to gb|AF151801 CGI-43 protein from Homo sapiens. EST gb|AI999800 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	24088	Seq. ID	OJ990324_01.0103.C44
Gene No.	50192	Strand	+
Start	1	End	844
Name	OJ990324_01.0103.C44.o1.gp	Method	AAT/GAP
Start	81	End	716
GI	none	Score	540
Exons	81..301, 587..716		

Seq. No.	24088	Seq. ID	OJ990324_01.0103.C44
Gene No.	50192	Strand	+
Start	1	End	844
Name	OJ990324_01.0103.C44.o1.gs	Method	GENSCAN
Start	146	End	816
GI	none	Score	.5
Exons	146..301, 587..816		

Seq. No.	24088	Seq. ID	OJ990324_01.0103.C44
Gene No.	50192	Strand	+
Start	1	End	844
Name	OJ990324_01.0103.C44.o1.ts	Method	TBLASTX:Soybean
Start	146	End	315
GI	none	Score	194
Exons	146..301, 148..315, 174..314, 223..315		

Seq. No.	24088	Seq. ID	OJ990324_01.0103.C44
Gene No.	50192	Strand	+
Start	1	End	844
Name	OJ990324_01.0103.C44.o1.tm	Method	TBLASTX:Maize
Start	146	End	314
GI	none	Score	224
Exons	146..301, 147..314, 147..314		

Seq. No.	24088	Seq. ID	OJ990324_01.0103.C44
Gene No.	50192	Strand	+
Start	1	End	844
Name	OJ990324_01.0103.C44.o2.ts	Method	TBLASTX:Soybean
Start	578	End	753
GI	none	Score	186
Exons	578..751, 673..750, 676..753		

Seq. No.	24089	Seq. ID	OJ990324_01.0103.C46
Gene No.	50193	Strand	-
Start	165	End	2747
Name	OJ990324_01.0103.C46.o1.gs	Method	GENSCAN
Start	165	End	999
GI	none	Score	.74
Exons	165..784, 993..999		

Seq. No.	24089	Seq. ID	OJ990324_01.0103.C46
Gene No.	50193	Strand	-

Start	165	End	2747
Name	OJ990324_01.0103.C46.o1.ts	Method	TBLASTX:Soybean
Start	189	End	701
GI	none	Score	110
Exons	189..425, 205..441, 456..578, 511..579, 636..701		

Seq. No.	24089	Seq. ID	OJ990324_01.0103.C46
Gene No.	50193	Strand	-
Start	165	End	2747
Name	OJ990324_01.0103.C46.o1.np	Method	AAT/NAP
Start	192	End	2747
GI	4008006	Score	845
Exons	192..778, 1710..2747		
GI Descrip.	(AF084034) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	24089	Seq. ID	OJ990324_01.0103.C46
Gene No.	50193	Strand	-
Start	165	End	2747
Name	OJ990324_01.0103.C46.o1.tc	Method	TBLASTX:Cress
Start	231	End	2745
GI	none	Score	66
Exons	231..335, 238..315, 321..425, 322..426, 456..569, 517..573, 564..635, 580..618, 636..716, 1762..1917, 1930..2055, 1931..2053, 2320..2448, 2482..2700, 2494..2745, 2545..2661		

Seq. No.	24089	Seq. ID	OJ990324_01.0103.C46
Gene No.	50193	Strand	-
Start	165	End	2747
Name	OJ990324_01.0103.C46.o1.tm	Method	TBLASTX:Maize
Start	231	End	2665
GI	none	Score	113
Exons	231..425, 238..426, 447..569, 511..561, 636..770, 664..714, 2513..2665		

Seq. No.	24089	Seq. ID	OJ990324_01.0103.C46
Gene No.	50193	Strand	-
Start	165	End	2747
Name	OJ990324_01.0103.C46.o2.gs	Method	GENSCAN
Start	1606	End	2703
GI	none	Score	.86
Exons	1606..2703		

Seq. No.	24089	Seq. ID	OJ990324_01.0103.C46
Gene No.	50193	Strand	-
Start	165	End	2747
Name	OJ990324_01.0103.C46.o2.tm	Method	TBLASTX:Maize
Start	1762	End	2019
GI	none	Score	84
Exons	1762..1920, 1832..1921, 1924..2019, 1925..1990		

Seq. No.	24089	Seq. ID	OJ990324_01.0103.C46
Gene No.	50193	Strand	-
Start	165	End	2747
Name	OJ990324_01.0103.C46.o2.ts	Method	TBLASTX:Soybean
Start	1786	End	2100
GI	none	Score	49
Exons	1786..1920, 1876..1917, 1913..2062, 1915..2100		

Seq. No.	24089	Seq. ID	OJ990324_01.0103.C46
Gene No.	50193	Strand	-
Start	165	End	2747
Name	OJ990324_01.0103.C46.o1.tw	Method	TBLASTX:Wheat
Start	1804	End	2027
GI	none	Score	84
Exons	1804..1914, 1838..1915, 1913..1990, 1915..2016, 1977..2027		

Seq. No.	24089	Seq. ID	OJ990324_01.0103.C46
Gene No.	50193	Strand	-
Start	165	End	2747
Name	OJ990324_01.0103.C46.o3.ts	Method	TBLASTX:Soybean
Start	2302	End	2745
GI	none	Score	77
Exons	2302..2439, 2494..2706, 2494..2700, 2494..2745		

Seq. No.	24090	Seq. ID	OJ990324_01.0103.C47
Gene No.	50194	Strand	+
Start	1	End	4320
Name	OJ990324_01.0103.C47.o1.np	Method	AAT/NAP
Start	1	End	2721
GI	6721512	Score	50
Exons	1..57, 1017..1105, 2694..2721		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	24090	Seq. ID	OJ990324_01.0103.C47
Gene No.	50194	Strand	+
Start	1	End	4320
Name	OJ990324_01.0103.C47.o1.gs	Method	GENSCAN
Start	50	End	4320
GI	none	Score	.6
Exons	50..105, 607..674, 1017..1105, 1742..1839, 2178..2313, 3690..4007, 4105..4320		

Seq. No.	24090	Seq. ID	OJ990324_01.0103.C47
Gene No.	50194	Strand	+
Start	1	End	4320
Name	OJ990324_01.0103.C47.o1.gp	Method	AAT/GAP
Start	3721	End	4227
GI	LIB3432-018-P1-K1-G3	Score	772
Exons	3721..4007, 4105..4227		
GI Descrip.	'2130105/pir||S53521 3.0e-26 histone H2A type 2 (clone wcH2A-4) - wheat >gi_536892_dbj_BAA07278_ (D38089) protein H2A [Triticum aestivum] >gi_536896_dbj_BAA07280_ (D38091) protein H2A [Triticum aestivum]'		

Seq. No.	24090	Seq. ID	OJ990324_01.0103.C47
Gene No.	50194	Strand	+
Start	1	End	4320
Name	OJ990324_01.0103.C47.o2.np	Method	AAT/NAP
Start	3819	End	4317
GI	2130105	Score	573
Exons	3819..4007, 4105..4317		
GI Descrip.	histone H2A type 2 (clone wcH2A-4) - wheat gi|536892|dbj|BAA07278| (D38089) protein H2A [Triticum aestivum] gi|536896|dbj|BAA07280| (D38091) protein H2A [Triticum aestivum]		

Seq. No.	24090	Seq. ID	OJ990324_01.0103.C47
Gene No.	50195	Strand	-
Start	6235	End	7033
Name	OJ990324_01.0103.C47.o1.tw	Method	TBLASTX:Wheat
Start	3697	End	4274
GI	none	Score	44
Exons	3697..3744, 3830..3919, 3836..3916, 3881..3934, 3888..3968, 4099..4272, 4102..4212, 4104..4274		

Seq. No.	24090	Seq. ID	OJ990324_01.0103.C47
Gene No.	50195	Strand	-
Start	6235	End	7033
Name	OJ990324_01.0103.C47.o1.tm	Method	TBLASTX:Maize
Start	3815	End	4317
GI	none	Score	115
Exons	3815..3916, 3866..3940, 3888..3968, 4099..4317, 4102..4212, 4104..4283		

Seq. No.	24090	Seq. ID	OJ990324_01.0103.C47
Gene No.	50195	Strand	-
Start	6235	End	7033
Name	OJ990324_01.0103.C47.o1.ts	Method	TBLASTX:Soybean
Start	3833	End	4317
GI	none	Score	82
Exons	3833..3919, 3866..3940, 3888..3968, 4099..4317, 4104..4283		

Seq. No.	24090	Seq. ID	OJ990324_01.0103.C47
Gene No.	50195	Strand	-
Start	6235	End	7033
Name	OJ990324_01.0103.C47.o1.tc	Method	TBLASTX:Cress
Start	3857	End	4283
GI	none	Score	37
Exons	3857..3901, 3875..3940, 3888..3968, 4099..4272, 4102..4212, 4104..4283		

Seq. No.	24090	Seq. ID	OJ990324_01.0103.C47
Gene No.	50195	Strand	-
Start	6235	End	7033
Name	OJ990324_01.0103.C47.o2.gs	Method	GENSCAN
Start	6235	End	7033
GI	none	Score	.63
Exons	6235..6364, 6960..7033		

Seq. No.	24091	Seq. ID	OJ990324_01.0103.C48
Gene No.	50196	Strand	+
Start	1	End	341
Name	OJ990324_01.0103.C48.o1.gp	Method	AAT/GAP
Start	1	End	341
GI	LIB3433-038-P1-K1-C12	Score	575
Exons	1..341		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 4.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	24091	Seq. ID	OJ990324_01.0103.C48
Gene No.	50197	Strand	-
Start	1129	End	3851

Name	OJ990324_01.0103.C48.o2.gp	Method	AAT/GAP
Start	1129	End	2680
GI	2428977	Score	698
Exons	1129..1442, 1937..1993, 2634..2680		

Seq. No.	24091	Seq. ID	OJ990324_01.0103.C48
Gene No.	50197	Strand	-
Start	1129	End	3851
Name	OJ990324_01.0103.C48.o2.gs	Method	GENSCAN
Start	2550	End	3851
GI	none	Score	.78
Exons	2550..2589, 2634..2824, 3717..3851		

Seq. No.	24091	Seq. ID	OJ990324_01.0103.C48
Gene No.	50198	Strand	-
Start	3773	End	4268
Name	OJ990324_01.0103.C48.o1.ts	Method	TBLASTX:Soybean
Start	1205	End	3786
GI	none	Score	68
Exons	1205..1357, 1217..1285, 2637..2825, 2639..2824, 3521..3622, 3579..3623, 3715..3786, 3717..3785		

Seq. No.	24091	Seq. ID	OJ990324_01.0103.C48
Gene No.	50198	Strand	-
Start	3773	End	4268
Name	OJ990324_01.0103.C48.o2.tm	Method	TBLASTX:Maize
Start	1217	End	2752
GI	none	Score	109
Exons	1217..1354, 1219..1404, 1329..1433, 1330..1434, 2633..2752, 2633..2752		

Seq. No.	24091	Seq. ID	OJ990324_01.0103.C48
Gene No.	50198	Strand	-
Start	3773	End	4268
Name	OJ990324_01.0103.C48.o1.tm	Method	TBLASTX:Maize
Start	2755	End	3951
GI	none	Score	105
Exons	2755..2823, 2756..2827, 2756..2824, 3521..3622, 3525..3626, 3715..3951, 3717..3872		

Seq. No.	24091	Seq. ID	OJ990324_01.0103.C48
Gene No.	50198	Strand	-
Start	3773	End	4268
Name	OJ990324_01.0103.C48.o3.gp	Method	AAT/GAP
Start	3773	End	4268
GI	LIB3432-029-P1-K1-D10	Score	732
Exons	3773..4139, 4245..4268		
GI Descrip.	'5902400/gb|AAD55502.1|AC008148_12 1.0e-32 (AC008148) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	24092	Seq. ID	OJ990324_01.0103.C49
Gene No.	50199	Strand	-
Start	347	End	725
Name	OJ990324_01.0103.C49.o1.gp	Method	AAT/GAP
Start	135	End	195
GI	uC-osf1M202090f06b1	Score	87
Exons	135..195		

GI Descrip.	'1781332/emb|CAA71493| 3.0e-20 (Y10467) peroxidase [Spinacia oleracea]'		
Seq. No.	24092	Seq. ID	OJ990324_01.0103.C49
Gene No.	50199	Strand	-
Start	347	End	725
Name	OJ990324_01.0103.C49.o2.gp	Method	AAT/GAP
Start	199	End	684
GI	5004769	Score	619
Exons	199..398, 555..684		
Seq. No.	24092	Seq. ID	OJ990324_01.0103.C49
Gene No.	50199	Strand	-
Start	347	End	725
Name	OJ990324_01.0103.C49.o1.gs	Method	GENSCAN
Start	347	End	725
GI	none	Score	.79
Exons	347..471, 557..725		
Seq. No.	24093	Seq. ID	OJ990324_01.0103.C50
Gene No.	50200	Strand	+
Start	272	End	1282
Name	OJ990324_01.0103.C50.o1.gs	Method	GENSCAN
Start	272	End	1282
GI	none	Score	.47
Exons	272..353, 416..440, 469..702, 795..927, 1169..1282		
Seq. No.	24093	Seq. ID	OJ990324_01.0103.C50
Gene No.	50201	Strand	-
Start	176	End	2676
Name	OJ990324_01.0103.C50.o2.np	Method	AAT/NAP
Start	176	End	2194
GI	5295955	Score	222
Exons	176..271, 402..1326, 2071..2194		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	24093	Seq. ID	OJ990324_01.0103.C50
Gene No.	50201	Strand	-
Start	176	End	2676
Name	OJ990324_01.0103.C50.o1.np	Method	AAT/NAP
Start	434	End	518
GI	5852092	Score	52
Exons	434..518		
GI Descrip.	(AL117264) zwh15.1 [Oryza sativa]		
Seq. No.	24093	Seq. ID	OJ990324_01.0103.C50
Gene No.	50201	Strand	-
Start	176	End	2676
Name	OJ990324_01.0103.C50.o2.gs	Method	GENSCAN
Start	1510	End	2676
GI	none	Score	.59
Exons	1510..1589, 2071..2130, 2480..2528, 2596..2676		
Seq. No.	24094	Seq. ID	OJ990324_01.0103.C51
Gene No.	50202	Strand	+
Start	1303	End	3229

Name	OJ990324_01.0103.C51.o1.np	Method	AAT/NAP
Start	1303	End	3229
GI	3047087	Score	74
Exons	1303..1447, 3045..3229		
GI Descrip.	(AF058914) contains similarity to SRF-type transcription factor DNA-binding and dimerization domain (Pfam: transcript_fact.hmm, score 63.38) [Arabidopsis thaliana]		

Seq. No.	24094	Seq. ID	OJ990324_01.0103.C51
Gene No.	50202	Strand	+
Start	1303	End	3229
Name	OJ990324_01.0103.C51.o1.gs	Method	GENSCAN
Start	1438	End	1776
GI	none	Score	.97
Exons	1438..1776		

Seq. No.	24094	Seq. ID	OJ990324_01.0103.C51
Gene No.	50203	Strand	-
Start	1833	End	2060
Name	OJ990324_01.0103.C51.o1.tw	Method	TBLASTX:Wheat
Start	1297	End	1656
GI	none	Score	100
Exons	1297..1464, 1311..1472, 1473..1646, 1492..1656		

Seq. No.	24094	Seq. ID	OJ990324_01.0103.C51
Gene No.	50203	Strand	-
Start	1833	End	2060
Name	OJ990324_01.0103.C51.o2.gs	Method	GENSCAN
Start	1833	End	2060
GI	none	Score	.92
Exons	1833..2060		

Seq. No.	24095	Seq. ID	OJ990324_01.0103.C52
Gene No.	50204	Strand	+
Start	1	End	1880
Name	OJ990324_01.0103.C52.o1.np	Method	AAT/NAP
Start	1	End	1880
GI	4505323	Score	101
Exons	1..109, 426..666, 1747..1880		
GI Descrip.	Wiskott-Aldrich syndrome-like gi|2116984|dbj|BAA20128| (D88460) N-WASP [Homo sapiens]		

Seq. No.	24096	Seq. ID	OJ990324_01.0103.C54
Gene No.	50205	Strand	+
Start	2284	End	3325
Name	OJ990324_01.0103.C54.o1.np	Method	AAT/NAP
Start	2284	End	3325
GI	4220486	Score	230
Exons	2284..2427, 2500..2597, 3044..3325		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	24096	Seq. ID	OJ990324_01.0103.C54
Gene No.	50205	Strand	+
Start	2284	End	3325
Name	OJ990324_01.0103.C54.o1.tm	Method	TBLASTX:Maize
Start	2400	End	3112
GI	none	Score	167

Exons	2400..2540, 2400..2546, 2541..2597, 2542..2598, 2543..2614, 2544..2603, 3040..3093, 3041..3094, 3095..3112		
Seq. No.	24097	Seq. ID	OJ990324_01.0103.C55
Gene No.	50206	Strand	+
Start	1	End	210
Name	OJ990324_01.0103.C55.o1.np	Method	AAT/NAP
Start	1	End	210
GI	4220486	Score	107
Exons	1..210		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		
Seq. No.	24097	Seq. ID	OJ990324_01.0103.C55
Gene No.	50207	Strand	+
Start	4911	End	5983
Name	OJ990324_01.0103.C55.o2.np	Method	AAT/NAP
Start	4864	End	5953
GI	1945283	Score	691
Exons	4864..4996, 5129..5258, 5363..5953		
GI Descrip.	(Y11351) myb factor [Oryza sativa]		
Seq. No.	24097	Seq. ID	OJ990324_01.0103.C55
Gene No.	50207	Strand	+
Start	4911	End	5983
Name	OJ990324_01.0103.C55.o2.gs	Method	GENSCAN
Start	4911	End	5983
GI	none	Score	.83
Exons	4911..5036, 5129..5258, 5373..5983		
Seq. No.	24097	Seq. ID	OJ990324_01.0103.C55
Gene No.	50208	Strand	-
Start	6900	End	8025
Name	OJ990324_01.0103.C55.o1.tc	Method	TBLASTX:Cress
Start	4827	End	5540
GI	none	Score	227
Exons	4827..4997, 4873..4998, 5119..5271, 5127..5288, 5360..5464, 5361..5540		
Seq. No.	24097	Seq. ID	OJ990324_01.0103.C55
Gene No.	50208	Strand	-
Start	6900	End	8025
Name	OJ990324_01.0103.C55.o1.tm	Method	TBLASTX:Maize
Start	4851	End	5477
GI	none	Score	171
Exons	4851..4898, 4890..5000, 4894..4998, 5118..5261, 5119..5271, 5360..5464, 5361..5477		
Seq. No.	24097	Seq. ID	OJ990324_01.0103.C55
Gene No.	50208	Strand	-
Start	6900	End	8025
Name	OJ990324_01.0103.C55.o1.tw	Method	TBLASTX:Wheat
Start	4854	End	5477
GI	none	Score	140
Exons	4854..5000, 4876..4998, 5118..5261, 5119..5271, 5360..5464, 5361..5477		
Seq. No.	24097	Seq. ID	OJ990324_01.0103.C55

Gene No.	50208	Strand	-
Start	6900	End	8025
Name	OJ990324_01.0103.C55.o1.ts	Method	TBLASTX:Soybean
Start	4863	End	5888
GI	none	Score	230
Exons	4863..5006, 4873..4998, 5118..5270, 5119..5271, 5360..5464, 5361..5486, 5607..5657, 5784..5813, 5871..5888		

Seq. No.	24097	Seq. ID	OJ990324_01.0103.C55
Gene No.	50208	Strand	-
Start	6900	End	8025
Name	OJ990324_01.0103.C55.o3.gs	Method	GENSCAN
Start	6900	End	8025
GI	none	Score	.93
Exons	6900..6943, 7965..8025		

Seq. No.	24098	Seq. ID	OJ990324_01.0103.C58
Gene No.	50209	Strand	+
Start	91	End	179
Name	OJ990324_01.0103.C58.o1.gs	Method	GENSCAN
Start	91	End	179
GI	none	Score	.7
Exons	91..179		

Seq. No.	24099	Seq. ID	OJ990324_01.0103.C72
Gene No.	50210	Strand	-
Start	264	End	1655
Name	OJ990324_01.0103.C72.o1.gs	Method	GENSCAN
Start	264	End	1655
GI	none	Score	.73
Exons	264..323, 959..1055, 1108..1238, 1611..1655		

Seq. No.	24100	Seq. ID	OJ990324_01.0103.C74
Gene No.	50211	Strand	-
Start	1	End	675
Name	OJ990324_01.0103.C74.o1.np	Method	AAT/NAP
Start	1	End	675
GI	2182029	Score	55
Exons	1..74, 363..457, 650..675		
GI Descrip.	(Y13437) shaggy-like kinase etha (OSKetha) [Oryza sativa]		

Seq. No.	24101	Seq. ID	OJ990324_01.0103.C77
Gene No.	50212	Strand	+
Start	708	End	3545
Name	OJ990324_01.0103.C77.o1.gp	Method	AAT/GAP
Start	708	End	1541
GI	none	Score	724
Exons	708..914, 1351..1541		

Seq. No.	24101	Seq. ID	OJ990324_01.0103.C77
Gene No.	50212	Strand	+
Start	708	End	3545
Name	OJ990324_01.0103.C77.o1.gs	Method	GENSCAN
Start	1360	End	3459
GI	none	Score	.84
Exons	1360..1427, 1463..1598, 1679..1953, 2068..2152, 2241..2598, 2721..2778, 2882..3024, 3113..3180, 3454..3459		

Seq. No.	24101	Seq. ID	OJ990324_01.0103.C77
Gene No.	50212	Strand	+
Start	708	End	3545
Name	OJ990324_01.0103.C77.o2.gp	Method	AAT/GAP
Start	2381	End	3545
GI	none	Score	1787
Exons	2381..2598, 2721..2778, 2882..3545		

Seq. No.	24101	Seq. ID	OJ990324_01.0103.C77
Gene No.	50212	Strand	+
Start	708	End	3545
Name	OJ990324_01.0103.C77.o1.tm	Method	TBLASTX:Maize
Start	2547	End	3104
GI	none	Score	56
Exons	2547..2603, 2719..2784, 2720..2779, 2879..3007, 2880..3008, 2994..3062, 2996..3061, 3050..3082, 3054..3104		

Seq. No.	24101	Seq. ID	OJ990324_01.0103.C77
Gene No.	50212	Strand	+
Start	708	End	3545
Name	OJ990324_01.0103.C77.o1.tw	Method	TBLASTX:Wheat
Start	2719	End	3097
GI	none	Score	88
Exons	2719..2778, 2720..2779, 2880..2972, 2960..3049, 2961..3062, 3056..3097		

Seq. No.	24102	Seq. ID	OJ990324_01.0103.C78
Gene No.	50213	Strand	+
Start	1	End	1063
Name	OJ990324_01.0103.C78.o1.np	Method	AAT/NAP
Start	1	End	1063
GI	4759046	Score	87
Exons	1..67, 740..823, 946..1063		
GI Descrip.	RNA polymerase I subunit gi|3335138 (AF047441) RNA polymerase I 40kD subunit [Homo sapiens]		

Seq. No.	24103	Seq. ID	OJ990324_01.0103.C79
Gene No.	50214	Strand	+
Start	1	End	2947
Name	OJ990324_01.0103.C79.o1.np	Method	AAT/NAP
Start	1	End	2947
GI	514324	Score	165
Exons	1..211, 857..1031, 1415..1512, 1602..1693, 2727..2947		
GI Descrip.	(L34773) RNA polymerase subunit [Arabidopsis thaliana] gi|2462755 (AC002292) RNA polymerase subunit (isoform B) [Arabidopsis thaliana] gi|1586550|prf||2204246B RNA polymerase [Arabidopsis thaliana]		

Seq. No.	24103	Seq. ID	OJ990324_01.0103.C79
Gene No.	50214	Strand	+
Start	1	End	2947
Name	OJ990324_01.0103.C79.o1.gs	Method	GENSCAN
Start	1058	End	2846
GI	none	Score	.51
Exons	1058..1198, 1415..1512, 2779..2846		

Seq. No.	24104	Seq. ID	OJ990324_01.0103.C82
Gene No.	50215	Strand	+
Start	2548	End	3009
Name	OJ990324_01.0103.C82.o1.gp	Method	AAT/GAP
Start	2548	End	3009
GI	LIB3432-059-P1-K1-D8	Score	727
Exons	2548..3009		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	24104	Seq. ID	OJ990324_01.0103.C82
Gene No.	50216	Strand	+
Start	2986	End	5014
Name	OJ990324_01.0103.C82.o1.gs	Method	GENSCAN
Start	2986	End	4989
GI	none	Score	.81
Exons	2986..3863, 3963..4404, 4477..4692, 4822..4989		

Seq. No.	24104	Seq. ID	OJ990324_01.0103.C82
Gene No.	50216	Strand	+
Start	2986	End	5014
Name	OJ990324_01.0103.C82.o1.np	Method	AAT/NAP
Start	2988	End	5014
GI	6907089	Score	2294
Exons	2988..3863, 3963..4729, 4784..5014		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24105	Seq. ID	OJ990324_01.0103.C83
Gene No.	50217	Strand	+
Start	1	End	638
Name	OJ990324_01.0103.C83.o1.np	Method	AAT/NAP
Start	1	End	635
GI	5803259	Score	713
Exons	1..635		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	24105	Seq. ID	OJ990324_01.0103.C83
Gene No.	50217	Strand	+
Start	1	End	638
Name	OJ990324_01.0103.C83.o1.gs	Method	GENSCAN
Start	117	End	638
GI	none	Score	.88
Exons	117..638		

Seq. No.	24106	Seq. ID	OJ990324_01.0103.C87
Gene No.	50218	Strand	-
Start	1	End	1269
Name	OJ990324_01.0103.C87.o1.np	Method	AAT/NAP
Start	1	End	1269
GI	6721516	Score	299
Exons	1..36, 355..601, 1112..1269		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	24107	Seq. ID	OJ990324_01.0103.C90
Gene No.	50219	Strand	+
Start	124	End	526
Name	OJ990324_01.0103.C90.o1.gs	Method	GENSCAN

Start	124	End	526
GI	none	Score	.42
Exons	124..245, 322..526		

Seq. No.	24108	Seq. ID	OJ990324_01.0103.C94
Gene No.	50220	Strand	+
Start	395	End	638
Name	OJ990324_01.0103.C94.o1.gp	Method	AAT/GAP
Start	395	End	638
GI	none	Score	423
Exons	395..638		

Seq. No.	24109	Seq. ID	OJ990324_01.0103.C100
Gene No.	50221	Strand	+
Start	76	End	195
Name	OJ990324_01.0103.C100.o1.gs	Method	GENSCAN
Start	76	End	195
GI	none	Score	.4
Exons	76..195		

Seq. No.	24110	Seq. ID	OJ990324_01.0103.C101
Gene No.	50222	Strand	+
Start	96	End	433
Name	OJ990324_01.0103.C101.o1.tm	Method	TBLASTX:Maize
Start	80	End	433
GI	none	Score	72
Exons	80..169, 81..197, 190..282, 191..433		

Seq. No.	24110	Seq. ID	OJ990324_01.0103.C101
Gene No.	50222	Strand	+
Start	96	End	433
Name	OJ990324_01.0103.C101.o1.gs	Method	GENSCAN
Start	96	End	206
GI	none	Score	.84
Exons	96..206		

Seq. No.	24111	Seq. ID	OJ990324_01.0103.C102
Gene No.	50223	Strand	+
Start	1032	End	1248
Name	OJ990324_01.0103.C102.o1.gs	Method	GENSCAN
Start	1032	End	1248
GI	none	Score	.49
Exons	1032..1136, 1174..1248		

Seq. No.	24112	Seq. ID	OJ990324_01.0103.C104
Gene No.	50224	Strand	-
Start	122	End	390
Name	OJ990324_01.0103.C104.o1.gs	Method	GENSCAN
Start	122	End	390
GI	none	Score	.67
Exons	122..208, 262..390		

Seq. No.	24113	Seq. ID	OJ990324_01.0103.C108
Gene No.	50225	Strand	+
Start	216	End	322
Name	OJ990324_01.0103.C108.o1.gs	Method	GENSCAN
Start	216	End	322

GI	none	Score	.65
Exons	216..234, 297..322		

Seq. No.	24114	Seq. ID	OJ990324_01.0103.C110
Gene No.	50226	Strand	+
Start	166	End	294
Name	OJ990324_01.0103.C110.o1.gs	Method	GENSCAN
Start	166	End	294
GI	none	Score	.45
Exons	166..294		

Seq. No.	24115	Seq. ID	OJ990324_01.0103.C111
Gene No.	50227	Strand	-
Start	1	End	125
Name	OJ990324_01.0103.C111.o1.np	Method	AAT/NAP
Start	1	End	125
GI	4512231	Score	180
Exons	1..125		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	24116	Seq. ID	OJ990324_01.0103.C112
Gene No.	50228	Strand	-
Start	244	End	415
Name	OJ990324_01.0103.C112.o1.np	Method	AAT/NAP
Start	244	End	415
GI	6063554	Score	178
Exons	244..415		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	24117	Seq. ID	OJ990324_01.0103.C114
Gene No.	50229	Strand	+
Start	118	End	254
Name	OJ990324_01.0103.C114.o1.gs	Method	GENSCAN
Start	118	End	254
GI	none	Score	.98
Exons	118..254		

Seq. No.	24117	Seq. ID	OJ990324_01.0103.C114
Gene No.	50230	Strand	-
Start	1	End	209
Name	OJ990324_01.0103.C114.o1.np	Method	AAT/NAP
Start	1	End	209
GI	6539586	Score	306
Exons	1..209		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	24118	Seq. ID	OJ990324_01.0103.C115
Gene No.	50231	Strand	+
Start	1	End	587
Name	OJ990324_01.0103.C115.o1.np	Method	AAT/NAP
Start	1	End	470
GI	5042454	Score	219
Exons	1..161, 417..470		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	24118	Seq. ID	OJ990324_01.0103.C115
Gene No.	50231	Strand	+
Start	1	End	587
Name	OJ990324_01.0103.C115.o1.gs	Method	GENSCAN
Start	105	End	587
GI	none	Score	.94
Exons	105..161, 417..587		

Seq. No.	24119	Seq. ID	OJ990324_01.0103.C119
Gene No.	50232	Strand	+
Start	1	End	717
Name	OJ990324_01.0103.C119.o1.np	Method	AAT/NAP
Start	1	End	717
GI	4680203	Score	309
Exons	1..717		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	24119	Seq. ID	OJ990324_01.0103.C119
Gene No.	50232	Strand	+
Start	1	End	717
Name	OJ990324_01.0103.C119.o1.tm	Method	TBLASTX:Maize
Start	43	End	296
GI	none	Score	132
Exons	43..171, 48..170, 175..294, 183..296		

Seq. No.	24119	Seq. ID	OJ990324_01.0103.C119
Gene No.	50232	Strand	+
Start	1	End	717
Name	OJ990324_01.0103.C119.o1.tw	Method	TBLASTX:Wheat
Start	61	End	600
GI	none	Score	48
Exons	61..147, 126..293, 160..315, 304..408, 334..390, 421..525, 426..524, 532..600		

Seq. No.	24119	Seq. ID	OJ990324_01.0103.C119
Gene No.	50232	Strand	+
Start	1	End	717
Name	OJ990324_01.0103.C119.o1.gs	Method	GENSCAN
Start	70	End	616
GI	none	Score	.48
Exons	70..616		

Seq. No.	24120	Seq. ID	OJ990324_01.0103.C120
Gene No.	50233	Strand	+
Start	474	End	584
Name	OJ990324_01.0103.C120.o1.gs	Method	GENSCAN
Start	474	End	584
GI	none	Score	.61
Exons	474..584		

Seq. No.	24121	Seq. ID	OJ990324_01.0103.C123
Gene No.	50234	Strand	+
Start	112	End	283
Name	OJ990324_01.0103.C123.o1.np	Method	AAT/NAP
Start	112	End	283
GI	6063554	Score	130
Exons	112..283		

GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	24121	Seq. ID	OJ990324_01.0103.C123
Gene No.	50235	Strand	-
Start	15	End	93
Name	OJ990324_01.0103.C123.o1.gs	Method	GENSCAN
Start	15	End	93
GI	none	Score	.68
Exons	15..93		
Seq. No.	24122	Seq. ID	OJ990324_01.0103.C124
Gene No.	50236	Strand	+
Start	1041	End	1324
Name	OJ990324_01.0103.C124.o1.gs	Method	GENSCAN
Start	1041	End	1324
GI	none	Score	.98
Exons	1041..1104, 1269..1324		
Seq. No.	24123	Seq. ID	OJ990324_01.0103.C125
Gene No.	50237	Strand	-
Start	447	End	742
Name	OJ990324_01.0103.C125.o1.gp	Method	AAT/GAP
Start	447	End	742
GI	61605_3.R1084	Score	396
Exons	447..742		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	24124	Seq. ID	OJ990324_01.0103.C131
Gene No.	50238	Strand	+
Start	58	End	414
Name	OJ990324_01.0103.C131.o1.gs	Method	GENSCAN
Start	58	End	414
GI	none	Score	.44
Exons	58..284, 289..414		
Seq. No.	24125	Seq. ID	OJ990324_01.0103.C132
Gene No.	50239	Strand	-
Start	1	End	73
Name	OJ990324_01.0103.C132.o1.gp	Method	AAT/GAP
Start	1	End	73
GI	none	Score	142
Exons	1..73		
Seq. No.	24125	Seq. ID	OJ990324_01.0103.C132
Gene No.	50240	Strand	-
Start	17	End	152
Name	OJ990324_01.0103.C132.o1.gs	Method	GENSCAN
Start	17	End	152
GI	none	Score	1
Exons	17..152		
Seq. No.	24126	Seq. ID	OJ990324_01.0103.C133
Gene No.	50241	Strand	+
Start	655	End	735

Name	OJ990324_01.0103.C133.o1.gs	Method	GENSCAN
Start	655	End	735
GI	none	Score	.78
Exons	655..735		

Seq. No.	24127	Seq. ID	OJ990324_01.0103.C134
Gene No.	50242	Strand	+
Start	1	End	437
Name	OJ990324_01.0103.C134.o1.gp	Method	AAT/GAP
Start	1	End	437
GI	LIB3432-059-P1-K1-D8	Score	696
Exons	1..437		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	24127	Seq. ID	OJ990324_01.0103.C134
Gene No.	50243	Strand	+
Start	413	End	529
Name	OJ990324_01.0103.C134.o1.np	Method	AAT/NAP
Start	413	End	529
GI	6907089	Score	149
Exons	413..529		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24128	Seq. ID	OJ990524_05.0103.C3
Gene No.	50244	Strand	+
Start	1	End	1713
Name	OJ990524_05.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	1713
GI	6469032	Score	219
Exons	1..23, 1192..1713		
GI Descrip.	(AB035183) N-hydroxycinnamoyl/benzoyltransferase [Ipomoea batatas]		

Seq. No.	24128	Seq. ID	OJ990524_05.0103.C3
Gene No.	50244	Strand	+
Start	1	End	1713
Name	OJ990524_05.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	1193	End	1426
GI	none	Score	244
Exons	1193..1426, 1201..1419		

Seq. No.	24128	Seq. ID	OJ990524_05.0103.C3
Gene No.	50244	Strand	+
Start	1	End	1713
Name	OJ990524_05.0103.C3.o1.gs	Method	GENSCAN
Start	1196	End	1673
GI	none	Score	.81
Exons	1196..1673		

Seq. No.	24128	Seq. ID	OJ990524_05.0103.C3
Gene No.	50244	Strand	+
Start	1	End	1713
Name	OJ990524_05.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	1198	End	1423
GI	none	Score	140
Exons	1198..1299, 1200..1247, 1201..1422, 1202..1423		

Seq. No.	24128	Seq. ID	OJ990524_05.0103.C3
Gene No.	50244	Strand	+
Start	1	End	1713
Name	OJ990524_05.0103.C3.o1.gp	Method	AAT/GAP
Start	1462	End	1713
GI	LIB3434-007-P1-K1-F11	Score	430
Exons	1462..1713		
GI Descrip.	'2239083/emb|CAB06427| 2.0e-12 (Z84383) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] >gi_2239087_emb_CAB06429_ (Z84385) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]'		

Seq. No.	24128	Seq. ID	OJ990524_05.0103.C3
Gene No.	50244	Strand	+
Start	1	End	1713
Name	OJ990524_05.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	1466	End	1712
GI	none	Score	239
Exons	1466..1648, 1468..1647, 1547..1654, 1560..1655, 1637..1696, 1644..1712, 1656..1712		

Seq. No.	24129	Seq. ID	OJ990524_05.0103.C4
Gene No.	50245	Strand	+
Start	1	End	207
Name	OJ990524_05.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	201
GI	6469032	Score	111
Exons	1..201		
GI Descrip.	(AB035183) N-hydroxycinnamoyl/benzoyltransferase [Ipomoea batatas]		

Seq. No.	24129	Seq. ID	OJ990524_05.0103.C4
Gene No.	50245	Strand	+
Start	1	End	207
Name	OJ990524_05.0103.C4.o1.gs	Method	GENSCAN
Start	10	End	207
GI	none	Score	.93
Exons	10..207		

Seq. No.	24129	Seq. ID	OJ990524_05.0103.C4
Gene No.	50246	Strand	+
Start	1928	End	2905
Name	OJ990524_05.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	1	End	198
GI	none	Score	191
Exons	1..114, 3..101, 145..198, 150..197		

Seq. No.	24129	Seq. ID	OJ990524_05.0103.C4
Gene No.	50246	Strand	+
Start	1928	End	2905
Name	OJ990524_05.0103.C4.o2.np	Method	AAT/NAP
Start	1928	End	2905
GI	4680199	Score	307
Exons	1928..2151, 2265..2905		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	24129	Seq. ID	OJ990524_05.0103.C4
Gene No.	50246	Strand	+
Start	1928	End	2905
Name	OJ990524_05.0103.C4.o2.gs	Method	GENSCAN
Start	2335	End	2672
GI	none	Score	.69
Exons	2335..2575, 2632..2672		

Seq. No.	24130	Seq. ID	OJ990524_05.0103.C5
Gene No.	50247	Strand	+
Start	270	End	1448
Name	OJ990524_05.0103.C5.o1.gs	Method	GENSCAN
Start	270	End	1448
GI	none	Score	.99
Exons	270..1448		

Seq. No.	24131	Seq. ID	OJ990524_05.0103.C6
Gene No.	50248	Strand	+
Start	310	End	741
Name	OJ990524_05.0103.C6.o1.gs	Method	GENSCAN
Start	310	End	741
GI	none	Score	.51
Exons	310..741		

Seq. No.	24131	Seq. ID	OJ990524_05.0103.C6
Gene No.	50249	Strand	+
Start	3448	End	3503
Name	OJ990524_05.0103.C6.o1.gp	Method	AAT/GAP
Start	3448	End	3503
GI	2310829	Score	80
Exons	3448..3503		

Seq. No.	24131	Seq. ID	OJ990524_05.0103.C6
Gene No.	50250	Strand	+
Start	3719	End	5258
Name	OJ990524_05.0103.C6.o3.gs	Method	GENSCAN
Start	3719	End	5258
GI	none	Score	.96
Exons	3719..3764, 4007..4194, 4488..5258		

Seq. No.	24131	Seq. ID	OJ990524_05.0103.C6
Gene No.	50251	Strand	+
Start	6112	End	10322
Name	OJ990524_05.0103.C6.o4.gs	Method	GENSCAN
Start	6112	End	10322
GI	none	Score	.67
Exons	6112..6162, 8008..8109, 8773..9038, 9251..9257, 9432..10322		

Seq. No.	24131	Seq. ID	OJ990524_05.0103.C6
Gene No.	50252	Strand	-
Start	3060	End	3556
Name	OJ990524_05.0103.C6.o2.gs	Method	GENSCAN
Start	3060	End	3556
GI	none	Score	.93
Exons	3060..3318, 3402..3556		

Seq. No.	24131	Seq. ID	OJ990524_05.0103.C6

Gene No.	50253	Strand	-
Start	10945	End	12674
Name	OJ990524_05.0103.C6.o2.gp	Method	AAT/GAP
Start	10768	End	11302
GI	3769159	Score	780
Exons	10768..11136, 11226..11302		

Seq. No.	24131	Seq. ID	OJ990524_05.0103.C6
Gene No.	50253	Strand	-
Start	10945	End	12674
Name	OJ990524_05.0103.C6.o5.gs	Method	GENSCAN
Start	10945	End	12674
GI	none	Score	.64
Exons	10945..11136, 11226..11412, 12026..12179, 12323..12674		

Seq. No.	24132	Seq. ID	OJ990524_05.0103.C7
Gene No.	50254	Strand	-
Start	1816	End	2710
Name	OJ990524_05.0103.C7.o1.np	Method	AAT/NAP
Start	1479	End	2546
GI	3402705	Score	317
Exons	1479..1645, 1823..2046, 2147..2546		
GI Descrip.	(AC004261) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24132	Seq. ID	OJ990524_05.0103.C7
Gene No.	50254	Strand	-
Start	1816	End	2710
Name	OJ990524_05.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	1813	End	1969
GI	none	Score	104
Exons	1813..1929, 1828..1968, 1829..1969, 1832..1969		

Seq. No.	24132	Seq. ID	OJ990524_05.0103.C7
Gene No.	50254	Strand	-
Start	1816	End	2710
Name	OJ990524_05.0103.C7.o1.gs	Method	GENSCAN
Start	1816	End	2710
GI	none	Score	.86
Exons	1816..2046, 2147..2436, 2657..2710		

Seq. No.	24132	Seq. ID	OJ990524_05.0103.C7
Gene No.	50254	Strand	-
Start	1816	End	2710
Name	OJ990524_05.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	1979	End	2311
GI	none	Score	65
Exons	1979..2047, 1981..2049, 1990..2049, 2139..2186, 2141..2203, 2147..2188, 2204..2311, 2246..2311		

Seq. No.	24133	Seq. ID	OJ990524_05.0103.C8
Gene No.	50255	Strand	-
Start	456	End	532
Name	OJ990524_05.0103.C8.o1.gs	Method	GENSCAN
Start	456	End	532
GI	none	Score	.49
Exons	456..532		

Seq. No.	24134	Seq. ID	OJ990524_05.0103.C9
Gene No.	50256	Strand	+
Start	191	End	679
Name	OJ990524_05.0103.C9.o1.gs	Method	GENSCAN
Start	191	End	679
GI	none	Score	.48
Exons	191..345, 429..679		

Seq. No.	24134	Seq. ID	OJ990524_05.0103.C9
Gene No.	50257	Strand	-
Start	245	End	299
Name	OJ990524_05.0103.C9.o1.gp	Method	AAT/GAP
Start	245	End	299
GI	2310829	Score	79
Exons	245..299		

Seq. No.	24135	Seq. ID	OJ990524_05.0103.C10
Gene No.	50258	Strand	-
Start	716	End	1345
Name	OJ990524_05.0103.C10.o1.gs	Method	GENSCAN
Start	716	End	1345
GI	none	Score	.4
Exons	716..984, 1008..1078, 1168..1345		

Seq. No.	24136	Seq. ID	OJ990524_05.0103.C11
Gene No.	50259	Strand	+
Start	1	End	688
Name	OJ990524_05.0103.C11.o1.np	Method	AAT/NAP
Start	1	End	688
GI	5230423	Score	115
Exons	1..84, 192..288, 401..500, 587..688		
GI Descrip.	(AF091713) cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	24136	Seq. ID	OJ990524_05.0103.C11
Gene No.	50259	Strand	+
Start	1	End	688
Name	OJ990524_05.0103.C11.o1.gp	Method	AAT/GAP
Start	36	End	500
GI	572262	Score	446
Exons	36..90, 186..282, 374..500		
GI Descrip.	4886756/gb|AAD32031.1|AF088917_1 2.0e-16 (AF088917) cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	24136	Seq. ID	OJ990524_05.0103.C11
Gene No.	50259	Strand	+
Start	1	End	688
Name	OJ990524_05.0103.C11.o1.gs	Method	GENSCAN
Start	186	End	620
GI	none	Score	.67
Exons	186..282, 374..500, 587..620		

Seq. No.	24137	Seq. ID	OJ990524_05.0103.C12
Gene No.	50260	Strand	+
Start	1	End	721
Name	OJ990524_05.0103.C12.o1.np	Method	AAT/NAP
Start	1	End	721

GI	5230423	Score	533
Exons	1..462, 544..721		
GI Descrip.	(AF091713) cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	24137	Seq. ID	OJ990524_05.0103.C12
Gene No.	50260	Strand	+
Start	1	End	721
Name	OJ990524_05.0103.C12.o1.gp	Method	AAT/GAP
Start	295	End	721
GI	14908_2.R1084	Score	627
Exons	295..462, 544..721		
GI Descrip.	'5230423/gb|AAD40885.1|AF091713_1 1.0e-146 (AF091713) cellulose synthase catalytic subunit [Arabidopsis thaliana]'		

Seq. No.	24137	Seq. ID	OJ990524_05.0103.C12
Gene No.	50260	Strand	+
Start	1	End	721
Name	OJ990524_05.0103.C12.o1.ts	Method	TBLASTX:Soybean
Start	295	End	721
GI	none	Score	277
Exons	295..465, 300..464, 531..608, 538..588, 581..721, 585..719		

Seq. No.	24137	Seq. ID	OJ990524_05.0103.C12
Gene No.	50260	Strand	+
Start	1	End	721
Name	OJ990524_05.0103.C12.o1.tc	Method	TBLASTX:Cress
Start	295	End	721
GI	none	Score	246
Exons	295..465, 297..461, 537..608, 538..588, 581..721, 585..719, 587..721		

Seq. No.	24137	Seq. ID	OJ990524_05.0103.C12
Gene No.	50260	Strand	+
Start	1	End	721
Name	OJ990524_05.0103.C12.o1.tm	Method	TBLASTX:Maize
Start	295	End	721
GI	none	Score	287
Exons	295..465, 300..464, 538..588, 542..586, 543..608, 581..721, 585..719, 587..721		

Seq. No.	24137	Seq. ID	OJ990524_05.0103.C12
Gene No.	50260	Strand	+
Start	1	End	721
Name	OJ990524_05.0103.C12.o1.gs	Method	GENSCAN
Start	301	End	697
GI	none	Score	.47
Exons	301..462, 544..697		

Seq. No.	24138	Seq. ID	OJ990524_05.0103.C15
Gene No.	50261	Strand	-
Start	1	End	628
Name	OJ990524_05.0103.C15.o1.np	Method	AAT/NAP
Start	1	End	628
GI	4115373	Score	294
Exons	1..628		
GI Descrip.	(AC005967) putative receptor-like protein kinase [Arabidopsis		

thaliana]

Seq. No.	24138	Seq. ID	OJ990524_05.0103.C15
Gene No.	50261	Strand	-
Start	1	End	628
Name	OJ990524_05.0103.C15.o1.gs	Method	GENSCAN
Start	91	End	535
GI	none	Score	.6
Exons	91..535		

Seq. No.	24138	Seq. ID	OJ990524_05.0103.C15
Gene No.	50261	Strand	-
Start	1	End	628
Name	OJ990524_05.0103.C15.o1.ts	Method	TBLASTX:Soybean
Start	142	End	420
GI	none	Score	36
Exons	142..189, 181..420, 182..280, 302..415		

Seq. No.	24138	Seq. ID	OJ990524_05.0103.C15
Gene No.	50261	Strand	-
Start	1	End	628
Name	OJ990524_05.0103.C15.o1.tm	Method	TBLASTX:Maize
Start	172	End	426
GI	none	Score	141
Exons	172..426, 173..415		

Seq. No.	24138	Seq. ID	OJ990524_05.0103.C15
Gene No.	50261	Strand	-
Start	1	End	628
Name	OJ990524_05.0103.C15.o1.tc	Method	TBLASTX:Cress
Start	277	End	585
GI	none	Score	47
Exons	277..321, 277..459, 299..460, 303..470, 356..475, 467..571, 496..585, 497..583, 508..585		

Seq. No.	24139	Seq. ID	OJ990524_05.0103.C16
Gene No.	50262	Strand	-
Start	266	End	882
Name	OJ990524_05.0103.C16.o1.gs	Method	GENSCAN
Start	266	End	882
GI	none	Score	.89
Exons	266..617, 697..882		

Seq. No.	24140	Seq. ID	OJ990524_05.0103.C17
Gene No.	50263	Strand	+
Start	1	End	733
Name	OJ990524_05.0103.C17.o1.np	Method	AAT/NAP
Start	1	End	733
GI	2980784	Score	331
Exons	1..733		
GI Descrip.	(AL022198) puative protein [Arabidopsis thaliana]		

Seq. No.	24140	Seq. ID	OJ990524_05.0103.C17
Gene No.	50263	Strand	+
Start	1	End	733
Name	OJ990524_05.0103.C17.o1.gs	Method	GENSCAN
Start	63	End	600

GI	none	Score	.64
Exons	63..600		

Seq. No.	24140	Seq. ID	OJ990524_05.0103.C17
Gene No.	50263	Strand	+
Start	1	End	733
Name	OJ990524_05.0103.C17.o1.ts	Method	TBLASTX:Soybean
Start	384	End	691
GI	none	Score	195
Exons	384..455, 477..689, 488..691		

Seq. No.	24141	Seq. ID	OJ990524_05.0103.C20
Gene No.	50264	Strand	+
Start	1	End	456
Name	OJ990524_05.0103.C20.o1.gp	Method	AAT/GAP
Start	1	End	378
GI	30447_1.R1084	Score	514
Exons	1..170, 276..378		
GI Descrip.	'4886756/gb|AAD32031.1|AF088917_1 1.0e-48 (AF088917) cellulose synthase catalytic subunit [Arabidopsis thaliana]'		

Seq. No.	24141	Seq. ID	OJ990524_05.0103.C20
Gene No.	50264	Strand	+
Start	1	End	456
Name	OJ990524_05.0103.C20.o1.np	Method	AAT/NAP
Start	1	End	456
GI	4886756	Score	367
Exons	1..170, 276..456		
GI Descrip.	(AF088917) cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	24141	Seq. ID	OJ990524_05.0103.C20
Gene No.	50265	Strand	-
Start	40	End	391
Name	OJ990524_05.0103.C20.o1.tc	Method	TBLASTX:Cress
Start	1	End	172
GI	none	Score	271
Exons	1..144, 2..172		

Seq. No.	24141	Seq. ID	OJ990524_05.0103.C20
Gene No.	50265	Strand	-
Start	40	End	391
Name	OJ990524_05.0103.C20.o1.ts	Method	TBLASTX:Soybean
Start	1	End	172
GI	none	Score	295
Exons	1..144, 2..172		

Seq. No.	24141	Seq. ID	OJ990524_05.0103.C20
Gene No.	50265	Strand	-
Start	40	End	391
Name	OJ990524_05.0103.C20.o1.tm	Method	TBLASTX:Maize
Start	2	End	296
GI	none	Score	277
Exons	2..172, 4..144, 273..296		

Seq. No.	24141	Seq. ID	OJ990524_05.0103.C20
Gene No.	50265	Strand	-

Start	40	End	391
Name	OJ990524_05.0103.C20.o1.gs	Method	GENSCAN
Start	40	End	391
GI	none	Score	.79
Exons	40..96, 189..391		

Seq. No.	24142	Seq. ID	OJ990524_05.0103.C21
Gene No.	50266	Strand	-
Start	327	End	716
Name	OJ990524_05.0103.C21.o1.tc	Method	TBLASTX:Cress
Start	307	End	716
GI	none	Score	236
Exons	307..663, 315..662, 390..590, 510..620, 576..647	393..647, 438..557, 447..716,	

Seq. No.	24142	Seq. ID	OJ990524_05.0103.C21
Gene No.	50266	Strand	-
Start	327	End	716
Name	OJ990524_05.0103.C21.o1.ts	Method	TBLASTX:Soybean
Start	309	End	653
GI	none	Score	81
Exons	309..653, 393..512, 459..572,	466..642	

Seq. No.	24142	Seq. ID	OJ990524_05.0103.C21
Gene No.	50266	Strand	-
Start	327	End	716
Name	OJ990524_05.0103.C21.o1.tm	Method	TBLASTX:Maize
Start	318	End	663
GI	none	Score	97
Exons	318..662, 319..663, 387..584,	393..641	

Seq. No.	24142	Seq. ID	OJ990524_05.0103.C21
Gene No.	50266	Strand	-
Start	327	End	716
Name	OJ990524_05.0103.C21.o1.gs	Method	GENSCAN
Start	327	End	659
GI	none	Score	.79
Exons	327..659		

Seq. No.	24143	Seq. ID	OJ990524_05.0103.C23
Gene No.	50267	Strand	+
Start	5098	End	9296
Name	OJ990524_05.0103.C23.o2.gs	Method	GENSCAN
Start	5098	End	9296
GI	none	Score	.45
Exons	5098..5175, 5331..5498, 6008..6212, 6288..6427, 6680..6869, 7038..7138, 9036..9296		

Seq. No.	24143	Seq. ID	OJ990524_05.0103.C23
Gene No.	50268	Strand	-
Start	1	End	3828
Name	OJ990524_05.0103.C23.o1.np	Method	AAT/NAP
Start	1	End	1747
GI	6539580	Score	405
Exons	1..131, 871..1018, 1113..1747		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	24143	Seq. ID	OJ990524_05.0103.C23
Gene No.	50268	Strand	-
Start	1	End	3828
Name	OJ990524_05.0103.C23.o1.gs	Method	GENSCAN
Start	118	End	3828
GI	none	Score	.78
Exons	118..387, 875..1018, 1327..1618, 1667..1785, 1924..1968, 2068..2249, 2793..2874, 3626..3741, 3819..3828		

Seq. No.	24144	Seq. ID	OJ990524_05.0103.C24
Gene No.	50269	Strand	+
Start	1295	End	3152
Name	OJ990524_05.0103.C24.o1.np	Method	AAT/NAP
Start	1295	End	3152
GI	3894387	Score	602
Exons	1295..1372, 1439..2338, 2438..3152		
GI Descrip.	(AF053995) Hcr2-0B [Lycopersicon esculentum]		

Seq. No.	24144	Seq. ID	OJ990524_05.0103.C24
Gene No.	50269	Strand	+
Start	1295	End	3152
Name	OJ990524_05.0103.C24.o1.gs	Method	GENSCAN
Start	1298	End	2919
GI	none	Score	.59
Exons	1298..2919		

Seq. No.	24144	Seq. ID	OJ990524_05.0103.C24
Gene No.	50269	Strand	+
Start	1295	End	3152
Name	OJ990524_05.0103.C24.o1.tc	Method	TBLASTX:Cress
Start	1526	End	2932
GI	none	Score	334
Exons	1526..2068, 1574..2068, 1574..1768, 1580..2068, 1589..1924, 1589..1984, 1589..2059, 1589..1789, 1721..2059, 1724..2077, 1735..1920, 1759..2013, 1796..1987, 2075..2140, 2075..2134, 2099..2140, 2174..2215, 2186..2293, 2486..2731, 2486..2731, 2486..2731, 2486..2821, 2486..2731, 2489..2734, 2489..2680, 2498..2731, 2498..2731, 2570..2731, 2715..2771, 2780..2902, 2783..2893, 2783..2893, 2783..2932, 2783..2893, 2783..2920, 2783..2893, 2783..2893, 2783..2893, 2809..2892		

Seq. No.	24144	Seq. ID	OJ990524_05.0103.C24
Gene No.	50269	Strand	+
Start	1295	End	3152
Name	OJ990524_05.0103.C24.o1.tm	Method	TBLASTX:Maize
Start	1565	End	2911
GI	none	Score	149
Exons	1565..1822, 1574..2068, 1574..1681, 1580..2074, 1589..2062, 1589..2038, 1606..1782, 1721..2059, 1744..1986, 1822..1941, 1831..1995, 2177..2293, 2486..2731, 2486..2731, 2498..2725, 2716..2892, 2780..2911, 2783..2872, 2783..2893, 2783..2893		

Seq. No.	24144	Seq. ID	OJ990524_05.0103.C24
Gene No.	50269	Strand	+
Start	1295	End	3152
Name	OJ990524_05.0103.C24.o1.ts	Method	TBLASTX:Soybean
Start	1574	End	2920

GI	none	Score	289
Exons	1574..2068, 1574..1912, 1589..2062, 1589..2056, 1589..2059, 1597..1920, 1606..1698, 1660..1914, 1729..1923, 1759..2058, 1819..2061, 2174..2293, 2174..2293, 2486..2731, 2486..2827, 2498..2731, 2783..2890, 2783..2920, 2783..2893, 2783..2893		

Seq. No.	24144	Seq. ID	OJ990524_05.0103.C24
Gene No.	50269	Strand	+
Start	1295	End	3152
Name	OJ990524_05.0103.C24.o1.tw	Method	TBLASTX:Wheat
Start	1579	End	2890
GI	none	Score	199
Exons	1579..1905, 1580..1900, 1661..1972, 1718..2044, 1823..1924, 1825..1992, 1877..2056, 2099..2134, 2174..2293, 2498..2731, 2561..2731, 2780..2890		

Seq. No.	24145	Seq. ID	OJ990524_05.0103.C25
Gene No.	50270	Strand	-
Start	1	End	459
Name	OJ990524_05.0103.C25.o1.np	Method	AAT/NAP
Start	1	End	459
GI	5725435	Score	175
Exons	1..459		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	24145	Seq. ID	OJ990524_05.0103.C25
Gene No.	50270	Strand	-
Start	1	End	459
Name	OJ990524_05.0103.C25.o1.tm	Method	TBLASTX:Maize
Start	145	End	459
GI	none	Score	103
Exons	145..261, 146..259, 235..459, 324..458		

Seq. No.	24146	Seq. ID	OJ990524_05.0103.C26
Gene No.	50271	Strand	+
Start	351	End	447
Name	OJ990524_05.0103.C26.o1.gs	Method	GENSCAN
Start	351	End	447
GI	none	Score	.4
Exons	351..447		

Seq. No.	24147	Seq. ID	OJ990524_05.0103.C28
Gene No.	50272	Strand	-
Start	774	End	1499
Name	OJ990524_05.0103.C28.o1.gs	Method	GENSCAN
Start	774	End	1443
GI	none	Score	.8
Exons	774..857, 1285..1443		

Seq. No.	24147	Seq. ID	OJ990524_05.0103.C28
Gene No.	50272	Strand	-
Start	774	End	1499
Name	OJ990524_05.0103.C28.o1.tm	Method	TBLASTX:Maize
Start	1282	End	1499
GI	none	Score	245
Exons	1282..1497, 1283..1498, 1401..1499		

Seq. No.	24148	Seq. ID	OJ990524_05.0103.C29
Gene No.	50273	Strand	-
Start	1	End	377
Name	OJ990524_05.0103.C29.o1.np	Method	AAT/NAP
Start	1	End	329
GI	6469032	Score	182
Exons	1..137, 171..329		
GI Descrip.	(AB035183) N-hydroxycinnamoyl/benzoyltransferase [Ipomoea batatas]		

Seq. No.	24148	Seq. ID	OJ990524_05.0103.C29
Gene No.	50273	Strand	-
Start	1	End	377
Name	OJ990524_05.0103.C29.o2.tm	Method	TBLASTX:Maize
Start	3	End	356
GI	none	Score	92
Exons	3..89, 189..314, 190..258, 324..356		

Seq. No.	24148	Seq. ID	OJ990524_05.0103.C29
Gene No.	50273	Strand	-
Start	1	End	377
Name	OJ990524_05.0103.C29.o1.gp	Method	AAT/GAP
Start	43	End	377
GI	none	Score	639
Exons	43..377		

Seq. No.	24148	Seq. ID	OJ990524_05.0103.C29
Gene No.	50274	Strand	
Start	1977	End	2235
Name	OJ990524_05.0103.C29.o3.tm	Method	TBLASTX:Maize
Start	1977	End	2235
GI	none	Score	77
Exons	1977..2078, 2073..2234, 2094..2228, 2098..2235		

Seq. No.	24148	Seq. ID	OJ990524_05.0103.C29
Gene No.	50275	Strand	
Start	2346	End	2910
Name	OJ990524_05.0103.C29.o1.tw	Method	TBLASTX:Wheat
Start	2346	End	2714
GI	none	Score	114
Exons	2346..2633, 2346..2714		

Seq. No.	24148	Seq. ID	OJ990524_05.0103.C29
Gene No.	50275	Strand	
Start	2346	End	2910
Name	OJ990524_05.0103.C29.o1.tm	Method	TBLASTX:Maize
Start	2439	End	2910
GI	none	Score	65
Exons	2439..2516, 2443..2490, 2451..2525, 2538..2909, 2542..2577, 2550..2672, 2722..2910		

Seq. No.	24149	Seq. ID	OJ990524_05.0103.C30
Gene No.	50276	Strand	+
Start	527	End	699
Name	OJ990524_05.0103.C30.o1.gs	Method	GENSCAN
Start	527	End	699
GI	none	Score	.89

Exons	527..699		
Seq. No.	24149	Seq. ID	OJ990524_05.0103.C30
Gene No.	50277	Strand	-
Start	1780	End	1943
Name	OJ990524_05.0103.C30.o2.gs	Method	GENSCAN
Start	1780	End	1943
GI	none	Score	.88
Exons	1780..1943		
Seq. No.	24150	Seq. ID	OJ990524_05.0103.C32
Gene No.	50278	Strand	-
Start	1724	End	2823
Name	OJ990524_05.0103.C32.o2.gs	Method	GENSCAN
Start	1724	End	2823
GI	none	Score	.45
Exons	1724..1934, 2220..2538, 2709..2823		
Seq. No.	24151	Seq. ID	OJ990524_05.0103.C33
Gene No.	50279	Strand	+
Start	350	End	3206
Name	OJ990524_05.0103.C33.o1.np	Method	AAT/NAP
Start	350	End	3206
GI	5295951	Score	178
Exons	350..572, 3185..3206		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		
Seq. No.	24151	Seq. ID	OJ990524_05.0103.C33
Gene No.	50279	Strand	+
Start	350	End	3206
Name	OJ990524_05.0103.C33.o1.gp	Method	AAT/GAP
Start	1577	End	1843
GI	1339_1.R1084	Score	402
Exons	1577..1843		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 2.0e-10 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		
Seq. No.	24152	Seq. ID	OJ990524_05.0103.C34
Gene No.	50280	Strand	+
Start	2582	End	2716
Name	OJ990524_05.0103.C34.o1.gs	Method	GENSCAN
Start	2582	End	2716
GI	none	Score	.53
Exons	2582..2716		
Seq. No.	24153	Seq. ID	OJ990524_05.0103.C36
Gene No.	50281	Strand	-
Start	1	End	368
Name	OJ990524_05.0103.C36.o1.np	Method	AAT/NAP
Start	1	End	368
GI	6721547	Score	69
Exons	1..52, 275..368		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	24153	Seq. ID	OJ990524_05.0103.C36
Gene No.	50282	Strand	-

Start	3013	End	3368
Name	OJ990524_05.0103.C36.o1.gp	Method	AAT/GAP
Start	3013	End	3368
GI	4714104	Score	665
Exons	3013..3368		

Seq. No.	24154	Seq. ID	OJ990524_05.0103.C37
Gene No.	50283	Strand	+
Start	323	End	5962
Name	OJ990524_05.0103.C37.o1.gs	Method	GENSCAN
Start	323	End	5962
GI	none	Score	.85
Exons	323..466, 1067..1223, 1434..1748, 1817..2120, 2226..2461, 2557..2653, 2745..2871, 2958..3603, 3660..3923, 4006..4218, 4371..4548, 4640..4836, 4918..5271, 5375..5962		

Seq. No.	24154	Seq. ID	OJ990524_05.0103.C37
Gene No.	50283	Strand	+
Start	323	End	5962
Name	OJ990524_05.0103.C37.o2.gp	Method	AAT/GAP
Start	1764	End	2328
GI	30447_1.R1084	Score	876
Exons	1764..2120, 2226..2328		
GI Descrip.	'4886756/gb|AAD32031.1|AF088917_1 1.0e-48 (AF088917) cellulose synthase catalytic subunit [Arabidopsis thaliana]'		

Seq. No.	24154	Seq. ID	OJ990524_05.0103.C37
Gene No.	50283	Strand	+
Start	323	End	5962
Name	OJ990524_05.0103.C37.o1.np	Method	AAT/NAP
Start	1850	End	5959
GI	5230423	Score	4283
Exons	1850..2120, 2226..2313, 2344..2455, 2563..2659, 2772..2871, 2958..3570, 3660..3923, 4006..4218, 4341..4548, 4640..4836, 4918..5271, 5375..5959		
GI Descrip.	(AF091713) cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	24154	Seq. ID	OJ990524_05.0103.C37
Gene No.	50283	Strand	+
Start	323	End	5962
Name	OJ990524_05.0103.C37.o3.gp	Method	AAT/GAP
Start	3501	End	4057
GI	2427745	Score	677
Exons	3501..3570, 3660..3923, 4006..4057		
GI Descrip.	2827139 3.0e-46 (AF027172) cellulose synthase catalytic subunit [Arabidopsis thaliana] >gi_4049343_emb_CAA22568.1_ (AL034567) cellulose synthase catalytic subunit (RSW1) [Arabidopsis thaliana]		

Seq. No.	24154	Seq. ID	OJ990524_05.0103.C37
Gene No.	50283	Strand	+
Start	323	End	5962
Name	OJ990524_05.0103.C37.o4.gp	Method	AAT/GAP
Start	4355	End	5531
GI	14908_2.R1084	Score	1728
Exons	4355..4548, 4640..4836, 4918..5271, 5375..5531		

GI Descrip.	'5230423/gb|AAD40885.1|AF091713_1 1.0e-146 (AF091713) cellulose synthase catalytic subunit [Arabidopsis thaliana]'		
Seq. No.	24154	Seq. ID	OJ990524_05.0103.C37
Gene No.	50284	Strand	-
Start	1	End	114
Name	OJ990524_05.0103.C37.o1.gp	Method	AAT/GAP
Start	1	End	114
GI	4714104	Score	190
Exons	1..114		
Seq. No.	24154	Seq. ID	OJ990524_05.0103.C37
Gene No.	50285	Strand	-
Start	5528	End	6167
Name	OJ990524_05.0103.C37.o5.gp	Method	AAT/GAP
Start	5528	End	6167
GI	14908_3.R1084	Score	1106
Exons	5528..6167		
GI Descrip.	'4886756/gb|AAD32031.1|AF088917_1 1.0e-52 (AF088917) cellulose synthase catalytic subunit [Arabidopsis thaliana]'		
Seq. No.	24154	Seq. ID	OJ990524_05.0103.C37
Gene No.	50286	Strand	-
Start	7038	End	7494
Name	OJ990524_05.0103.C37.o2.ts	Method	TBLASTX:Soybean
Start	1846	End	2425
GI	none	Score	445
Exons	1846..2094, 1850..2122, 2225..2293, 2339..2425		
Seq. No.	24154	Seq. ID	OJ990524_05.0103.C37
Gene No.	50286	Strand	-
Start	7038	End	7494
Name	OJ990524_05.0103.C37.o2.tm	Method	TBLASTX:Maize
Start	1849	End	2246
GI	none	Score	84
Exons	1849..1899, 1850..1900, 1912..2094, 1913..2122, 2223..2246, 2225..2245		
Seq. No.	24154	Seq. ID	OJ990524_05.0103.C37
Gene No.	50286	Strand	-
Start	7038	End	7494
Name	OJ990524_05.0103.C37.o1.tc	Method	TBLASTX:Cress
Start	1850	End	5920
GI	none	Score	71
Exons	1850..1930, 1928..2122, 1939..2094, 2773..2817, 2937..3188, 2962..3570, 3130..3489, 3324..3569, 3657..3929, 3657..3800, 3659..3928, 4005..4037, 4006..4224, 4030..4158, 4098..4223, 4340..4414, 4341..4454, 4446..4481, 4473..4514, 4651..4839, 4671..4835, 4905..5132, 4915..5142, 5139..5276, 5140..5310, 5360..5605, 5374..5595, 5573..5920, 5635..5919		
Seq. No.	24154	Seq. ID	OJ990524_05.0103.C37
Gene No.	50286	Strand	-
Start	7038	End	7494
Name	OJ990524_05.0103.C37.o1.tm	Method	TBLASTX:Maize
Start	2940	End	6098
GI	none	Score	233

Exons	2940..3188, 2959..3105, 3136..3570, 3136..3489, 3324..3569, 3441..3578, 3539..3574, 3638..3928, 3657..3929, 4002..4142, 4005..4040, 4006..4224, 4006..4161, 4095..4223, 4338..4466, 4341..4547, 4457..4513, 4638..4838, 4639..4839, 4912..5133, 4915..5004, 4917..5132, 5139..5276, 5140..5325, 5360..5614, 5374..5679, 5603..5962, 5638..5964, 5892..5978, 6066..6098		

Seq. No.	24154	Seq. ID	OJ990524_05.0103.C37
Gene No.	50286	Strand	-
Start	7038	End	7494
Name	OJ990524_05.0103.C37.o1.ts	Method	TBLASTX:Soybean
Start	3085	End	5962
GI	none	Score	702
Exons	3085..3570, 3087..3188, 3259..3399, 3324..3569, 3657..3929, 3657..3800, 3659..3928, 4006..4224, 4006..4161, 4095..4223, 4340..4414, 4341..4433, 4629..4835, 4630..4839, 4905..5135, 4915..5133, 5137..5325, 5169..5276, 5354..5614, 5374..5595, 5603..5962, 5638..5958		

Seq. No.	24154	Seq. ID	OJ990524_05.0103.C37
Gene No.	50286	Strand	-
Start	7038	End	7494
Name	OJ990524_05.0103.C37.o1.tw	Method	TBLASTX:Wheat
Start	3421	End	3920
GI	none	Score	239
Exons	3421..3570, 3441..3584, 3444..3569, 3657..3920, 3657..3800, 3659..3919		

Seq. No.	24154	Seq. ID	OJ990524_05.0103.C37
Gene No.	50286	Strand	-
Start	7038	End	7494
Name	OJ990524_05.0103.C37.o3.tw	Method	TBLASTX:Wheat
Start	4006	End	4394
GI	none	Score	150
Exons	4006..4116, 4006..4116, 4107..4229, 4126..4224, 4341..4394, 4343..4393		

Seq. No.	24154	Seq. ID	OJ990524_05.0103.C37
Gene No.	50286	Strand	-
Start	7038	End	7494
Name	OJ990524_05.0103.C37.o4.tw	Method	TBLASTX:Wheat
Start	5139	End	5430
GI	none	Score	214
Exons	5139..5276, 5140..5325, 5374..5430		

Seq. No.	24154	Seq. ID	OJ990524_05.0103.C37
Gene No.	50286	Strand	-
Start	7038	End	7494
Name	OJ990524_05.0103.C37.o2.tw	Method	TBLASTX:Wheat
Start	5431	End	5842
GI	none	Score	277
Exons	5431..5595, 5432..5614, 5603..5842, 5638..5841		

Seq. No.	24154	Seq. ID	OJ990524_05.0103.C37
Gene No.	50286	Strand	-
Start	7038	End	7494
Name	OJ990524_05.0103.C37.o2.gs	Method	GENSCAN

Start	7038	End	7494
GI	none	Score	.49
Exons	7038..7115, 7387..7494		

Seq. No.	24155	Seq. ID	OJ990524_05.0103.C38
Gene No.	50287	Strand	-
Start	1	End	2550
Name	OJ990524_05.0103.C38.o1.np	Method	AAT/NAP
Start	1	End	2550
GI	5725435	Score	265
Exons	1..85, 266..360, 471..587, 1262..1381, 1784..2550		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	24155	Seq. ID	OJ990524_05.0103.C38
Gene No.	50287	Strand	-
Start	1	End	2550
Name	OJ990524_05.0103.C38.o1.tm	Method	TBLASTX:Maize
Start	265	End	2444
GI	none	Score	99
Exons	265..363, 268..372, 470..568, 471..590, 472..588, 1256..1384, 1263..1379, 1264..1383, 1784..1933, 1784..1975, 1785..2156, 1797..2156, 1798..2157, 2138..2317, 2172..2318, 2176..2328, 2266..2358, 2266..2364, 2270..2443, 2273..2443, 2273..2323, 2274..2444		

Seq. No.	24155	Seq. ID	OJ990524_05.0103.C38
Gene No.	50287	Strand	-
Start	1	End	2550
Name	OJ990524_05.0103.C38.o1.gs	Method	GENSCAN
Start	271	End	2389
GI	none	Score	.96
Exons	271..360, 471..587, 1262..1381, 1784..2389		

Seq. No.	24156	Seq. ID	OJ990524_05.0103.C42
Gene No.	50288	Strand	-
Start	1	End	829
Name	OJ990524_05.0103.C42.o1.np	Method	AAT/NAP
Start	1	End	829
GI	5725435	Score	266
Exons	1..829		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	24156	Seq. ID	OJ990524_05.0103.C42
Gene No.	50288	Strand	-
Start	1	End	829
Name	OJ990524_05.0103.C42.o2.tm	Method	TBLASTX:Maize
Start	63	End	274
GI	none	Score	58
Exons	63..155, 64..165, 64..165, 103..195, 103..201, 108..272, 110..274, 110..160, 111..161, 111..272		

Seq. No.	24156	Seq. ID	OJ990524_05.0103.C42
Gene No.	50288	Strand	-
Start	1	End	829
Name	OJ990524_05.0103.C42.o1.tm	Method	TBLASTX:Maize
Start	275	End	675
GI	none	Score	101

Exons	275..376, 276..374, 386..535, 387..605, 387..641, 391..675, 418..654, 600..650		
Seq. No.	24157	Seq. ID	OJ990524_05.0103.C43
Gene No.	50289	Strand	-
Start	185	End	238
Name	OJ990524_05.0103.C43.o1.gs	Method	GENSCAN
Start	185	End	238
GI	none	Score	.89
Exons	185..238		
Seq. No.	24158	Seq. ID	OJ990524_05.0103.C44
Gene No.	50290	Strand	-
Start	137	End	209
Name	OJ990524_05.0103.C44.o1.gs	Method	GENSCAN
Start	137	End	209
GI	none	Score	.76
Exons	137..209		
Seq. No.	24159	Seq. ID	OJ990524_05.0103.C45
Gene No.	50291	Strand	-
Start	1	End	1409
Name	OJ990524_05.0103.C45.o1.np	Method	AAT/NAP
Start	1	End	1409
GI	6539581	Score	788
Exons	1..30, 213..1409		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		
Seq. No.	24159	Seq. ID	OJ990524_05.0103.C45
Gene No.	50291	Strand	-
Start	1	End	1409
Name	OJ990524_05.0103.C45.o1.tm	Method	TBLASTX:Maize
Start	792	End	1389
GI	none	Score	49
Exons	792..1100, 1160..1327, 1330..1389		
Seq. No.	24159	Seq. ID	OJ990524_05.0103.C45
Gene No.	50291	Strand	-
Start	1	End	1409
Name	OJ990524_05.0103.C45.o1.tw	Method	TBLASTX:Wheat
Start	879	End	1292
GI	none	Score	66
Exons	879..1079, 1160..1291, 1173..1292		
Seq. No.	24159	Seq. ID	OJ990524_05.0103.C45
Gene No.	50291	Strand	-
Start	1	End	1409
Name	OJ990524_05.0103.C45.o1.ts	Method	TBLASTX:Soybean
Start	882	End	1386
GI	none	Score	73
Exons	882..1079, 1163..1327, 1176..1328, 1336..1386		
Seq. No.	24160	Seq. ID	OJ990524_05.0103.C46
Gene No.	50292	Strand	-
Start	1	End	1909
Name	OJ990524_05.0103.C46.o1.np	Method	AAT/NAP

Start	1	End	1466
GI	6539581	Score	701
Exons	1..744, 850..941, 981..1466		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	24160	Seq. ID	OJ990524_05.0103.C46
Gene No.	50292	Strand	-
Start	1	End	1909
Name	OJ990524_05.0103.C46.o1.tw	Method	TBLASTX:Wheat
Start	98	End	299
GI	none	Score	92
Exons	98..298, 123..299		

Seq. No.	24160	Seq. ID	OJ990524_05.0103.C46
Gene No.	50292	Strand	-
Start	1	End	1909
Name	OJ990524_05.0103.C46.o1.ts	Method	TBLASTX:Soybean
Start	110	End	468
GI	none	Score	112
Exons	110..418, 183..380, 415..468		

Seq. No.	24160	Seq. ID	OJ990524_05.0103.C46
Gene No.	50292	Strand	-
Start	1	End	1909
Name	OJ990524_05.0103.C46.o1.tm	Method	TBLASTX:Maize
Start	149	End	528
GI	none	Score	127
Exons	149..433, 149..418, 415..528		

Seq. No.	24160	Seq. ID	OJ990524_05.0103.C46
Gene No.	50292	Strand	-
Start	1	End	1909
Name	OJ990524_05.0103.C46.o1.gs	Method	GENSCAN
Start	301	End	1909
GI	none	Score	.68
Exons	301..360, 390..1674, 1838..1909		

Seq. No.	24160	Seq. ID	OJ990524_05.0103.C46
Gene No.	50292	Strand	-
Start	1	End	1909
Name	OJ990524_05.0103.C46.o2.tm	Method	TBLASTX:Maize
Start	532	End	750
GI	none	Score	83
Exons	532..750, 535..750		

Seq. No.	24161	Seq. ID	OJ990524_05.0103.C49
Gene No.	50293	Strand	-
Start	964	End	3780
Name	OJ990524_05.0103.C49.o1.gs	Method	GENSCAN
Start	964	End	2936
GI	none	Score	.63
Exons	964..1177, 1308..1408, 1520..1651, 1951..2117, 2747..2936		

Seq. No.	24161	Seq. ID	OJ990524_05.0103.C49
Gene No.	50293	Strand	-
Start	964	End	3780

Name	OJ990524_05.0103.C49.o1.np	Method	AAT/NAP
Start	1517	End	3780
GI	6539580	Score	110
Exons	1517..1651, 1749..1795, 3668..3780		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	24162	Seq. ID	OJ990524_05.0103.C50
Gene No.	50294	Strand	-
Start	942	End	1503
Name	OJ990524_05.0103.C50.o1.gs	Method	GENSCAN
Start	942	End	1503
GI	none	Score	.96
Exons	942..1076, 1207..1302, 1396..1503		

Seq. No.	24163	Seq. ID	OJ990524_05.0103.C51
Gene No.	50295	Strand	-
Start	503	End	856
Name	OJ990524_05.0103.C51.o1.gs	Method	GENSCAN
Start	503	End	856
GI	none	Score	.44
Exons	503..856		

Seq. No.	24164	Seq. ID	OJ990524_05.0103.C53
Gene No.	50296	Strand	-
Start	733	End	3220
Name	OJ990524_05.0103.C53.o1.np	Method	AAT/NAP
Start	733	End	3220
GI	6453870	Score	471
Exons	733..918, 1458..1553, 1657..1916, 2844..3220		
GI Descrip.	(AC011717) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24164	Seq. ID	OJ990524_05.0103.C53
Gene No.	50296	Strand	-
Start	733	End	3220
Name	OJ990524_05.0103.C53.o1.gs	Method	GENSCAN
Start	745	End	3195
GI	none	Score	.69
Exons	745..918, 1455..1553, 1657..1712, 1776..1916, 2844..3195		

Seq. No.	24164	Seq. ID	OJ990524_05.0103.C53
Gene No.	50297	Strand	-
Start	4370	End	7258
Name	OJ990524_05.0103.C53.o1.tm	Method	TBLASTX:Maize
Start	1635	End	1789
GI	none	Score	157
Exons	1635..1781, 1640..1789, 1640..1783, 1654..1788		

Seq. No.	24164	Seq. ID	OJ990524_05.0103.C53
Gene No.	50297	Strand	-
Start	4370	End	7258
Name	OJ990524_05.0103.C53.o2.gs	Method	GENSCAN
Start	4370	End	7258
GI	none	Score	.97
Exons	4370..7258		

Seq. No.	24164	Seq. ID	OJ990524_05.0103.C53
Gene No.	50297	Strand	-

Start	4370	End	7258
Name	OJ990524_05.0103.C53.o2.tm	Method	TBLASTX:Maize
Start	4385	End	6394
GI	none	Score	51
Exons	4385..4903, 4388..4897, 4484..4894, 4589..4897, 4667..4813, 4898..5137, 5753..6259, 5852..6256, 5951..6223, 6281..6394		

Seq. No.	24164	Seq. ID	OJ990524_05.0103.C53
Gene No.	50297	Strand	-
Start	4370	End	7258
Name	OJ990524_05.0103.C53.o2.np	Method	AAT/NAP
Start	4388	End	6819
GI	2980784	Score	2173
Exons	4388..6819		
GI Descrip.	(AL022198) puative protein [Arabidopsis thaliana]		

Seq. No.	24164	Seq. ID	OJ990524_05.0103.C53
Gene No.	50297	Strand	-
Start	4370	End	7258
Name	OJ990524_05.0103.C53.o1.tc	Method	TBLASTX:Cress
Start	4460	End	6265
GI	none	Score	228
Exons	4460..4804, 4562..4972, 4563..4973, 4919..5167, 5753..6061, 5822..6133, 5924..6265		

Seq. No.	24164	Seq. ID	OJ990524_05.0103.C53
Gene No.	50297	Strand	-
Start	4370	End	7258
Name	OJ990524_05.0103.C53.o1.ts	Method	TBLASTX:Soybean
Start	4508	End	6571
GI	none	Score	82
Exons	4508..4678, 4673..4888, 4745..4933, 5753..5950, 5822..6049, 5975..6478, 5979..6467, 6500..6571		

Seq. No.	24165	Seq. ID	OJ990524_05.0103.C54
Gene No.	50298	Strand	-
Start	723	End	1119
Name	OJ990524_05.0103.C54.o1.gs	Method	GENSCAN
Start	723	End	1119
GI	none	Score	.81
Exons	723..928, 1023..1119		

Seq. No.	24166	Seq. ID	OJ990524_05.0103.C55
Gene No.	50299	Strand	-
Start	280	End	1365
Name	OJ990524_05.0103.C55.o1.gs	Method	GENSCAN
Start	280	End	1247
GI	none	Score	.94
Exons	280..698, 779..1247		

Seq. No.	24166	Seq. ID	OJ990524_05.0103.C55
Gene No.	50299	Strand	-
Start	280	End	1365
Name	OJ990524_05.0103.C55.o1.np	Method	AAT/NAP
Start	295	End	1365
GI	4115373	Score	754
Exons	295..698, 779..1365		

GI Descrip.	(AC005967) putative receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	24166	Seq. ID	OJ990524_05.0103.C55
Gene No.	50299	Strand	-
Start	280	End	1365
Name	OJ990524_05.0103.C55.o1.ts	Method	TBLASTX:Soybean
Start	490	End	1349
GI	none	Score	108
Exons	490..699, 566..700, 780..824, 873..1037, 883..1038, 1071..1118, 1110..1349, 1111..1209, 1231..1341		
Seq. No.	24166	Seq. ID	OJ990524_05.0103.C55
Gene No.	50299	Strand	-
Start	280	End	1365
Name	OJ990524_05.0103.C55.o1.tc	Method	TBLASTX:Cress
Start	613	End	1349
GI	none	Score	290
Exons	613..705, 870..1349		
Seq. No.	24166	Seq. ID	OJ990524_05.0103.C55
Gene No.	50299	Strand	-
Start	280	End	1365
Name	OJ990524_05.0103.C55.o1.tm	Method	TBLASTX:Maize
Start	622	End	1358
GI	none	Score	70
Exons	622..699, 867..1022, 1062..1358, 1216..1302		
Seq. No.	24166	Seq. ID	OJ990524_05.0103.C55
Gene No.	50299	Strand	-
Start	280	End	1365
Name	OJ990524_05.0103.C55.o1.tw	Method	TBLASTX:Wheat
Start	867	End	1187
GI	none	Score	62
Exons	867..1187, 909..1037, 922..1038		
Seq. No.	24167	Seq. ID	OJ990524_04.0103.C1
Gene No.	50300	Strand	+
Start	1	End	449
Name	OJ990524_04.0103.C1.o1.np	Method	AAT/NAP
Start	1	End	449
GI	6815097	Score	171
Exons	1..198, 367..449		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		
Seq. No.	24168	Seq. ID	OJ990524_04.0103.C2
Gene No.	50301	Strand	+
Start	401	End	679
Name	OJ990524_04.0103.C2.o1.gs	Method	GENSCAN
Start	401	End	679
GI	none	Score	.56
Exons	401..679		
Seq. No.	24168	Seq. ID	OJ990524_04.0103.C2
Gene No.	50302	Strand	-
Start	1913	End	2062

Name	OJ990524_04.0103.C2.o2.gs	Method	GENSCAN
Start	1913	End	2062
GI	none	Score	.99
Exons	1913..2062		

Seq. No.	24169	Seq. ID	OJ990524_04.0103.C4
Gene No.	50303	Strand	-
Start	1	End	397
Name	OJ990524_04.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	397
GI	629693	Score	192
Exons	1..397		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	24169	Seq. ID	OJ990524_04.0103.C4
Gene No.	50304	Strand	-
Start	344	End	562
Name	OJ990524_04.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	65	End	352
GI	none	Score	61
Exons	65..352, 66..158		

Seq. No.	24169	Seq. ID	OJ990524_04.0103.C4
Gene No.	50304	Strand	-
Start	344	End	562
Name	OJ990524_04.0103.C4.o1.gs	Method	GENSCAN
Start	344	End	562
GI	none	Score	.43
Exons	344..461, 510..562		

Seq. No.	24170	Seq. ID	OJ990524_04.0103.C5
Gene No.	50305	Strand	+
Start	5743	End	7790
Name	OJ990524_04.0103.C5.o3.gs	Method	GENSCAN
Start	5743	End	7790
GI	none	Score	.42
Exons	5743..5961, 6201..6353, 7731..7790		

Seq. No.	24170	Seq. ID	OJ990524_04.0103.C5
Gene No.	50306	Strand	-
Start	1	End	4549
Name	OJ990524_04.0103.C5.o1.np	Method	AAT/NAP
Start	1	End	4549
GI	4544372	Score	643
Exons	1..295, 358..1258, 4527..4549		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	24170	Seq. ID	OJ990524_04.0103.C5
Gene No.	50306	Strand	-
Start	1	End	4549
Name	OJ990524_04.0103.C5.o1.gs	Method	GENSCAN
Start	691	End	1973
GI	none	Score	.47
Exons	691..1061, 1667..1973		

Seq. No.	24170	Seq. ID	OJ990524_04.0103.C5
Gene No.	50306	Strand	-
Start	1	End	4549
Name	OJ990524_04.0103.C5.o2.gs	Method	GENSCAN
Start	2536	End	3134
GI	none	Score	.93
Exons	2536..2726, 3044..3134		

Seq. No.	24170	Seq. ID	OJ990524_04.0103.C5
Gene No.	50307	Strand	-
Start	8760	End	11033
Name	OJ990524_04.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	209	End	681
GI	none	Score	206
Exons	209..358, 400..681		

Seq. No.	24170	Seq. ID	OJ990524_04.0103.C5
Gene No.	50307	Strand	-
Start	8760	End	11033
Name	OJ990524_04.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	368	End	828
GI	none	Score	157
Exons	368..676, 370..828, 764..826		

Seq. No.	24170	Seq. ID	OJ990524_04.0103.C5
Gene No.	50307	Strand	-
Start	8760	End	11033
Name	OJ990524_04.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	696	End	1102
GI	none	Score	160
Exons	696..1031, 698..1042, 700..1035, 721..1050, 764..1042, 1045..1101, 1058..1102		

Seq. No.	24170	Seq. ID	OJ990524_04.0103.C5
Gene No.	50307	Strand	-
Start	8760	End	11033
Name	OJ990524_04.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	829	End	1047
GI	none	Score	214
Exons	829..1047, 830..1042, 871..1047		

Seq. No.	24170	Seq. ID	OJ990524_04.0103.C5
Gene No.	50307	Strand	-
Start	8760	End	11033
Name	OJ990524_04.0103.C5.o4.gs	Method	GENSCAN
Start	8760	End	10694
GI	none	Score	.61
Exons	8760..9164, 9599..9811, 10133..10173, 10443..10694		

Seq. No.	24170	Seq. ID	OJ990524_04.0103.C5
Gene No.	50307	Strand	-
Start	8760	End	11033
Name	OJ990524_04.0103.C5.o4.tm	Method	TBLASTX:Maize
Start	8771	End	8964
GI	none	Score	71
Exons	8771..8887, 8772..8957, 8772..8960, 8773..8964		

Seq. No.	24170	Seq. ID	OJ990524_04.0103.C5
Gene No.	50307	Strand	-
Start	8760	End	11033
Name	OJ990524_04.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	8847	End	9431
GI	none	Score	186
Exons	8847..8963, 9078..9431		

Seq. No.	24170	Seq. ID	OJ990524_04.0103.C5
Gene No.	50307	Strand	-
Start	8760	End	11033
Name	OJ990524_04.0103.C5.o2.np	Method	AAT/NAP
Start	8922	End	11033
GI	6815097	Score	1814
Exons	8922..9700, 9782..11033		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	24170	Seq. ID	OJ990524_04.0103.C5
Gene No.	50307	Strand	-
Start	8760	End	11033
Name	OJ990524_04.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	9090	End	9443
GI	none	Score	204
Exons	9090..9413, 9091..9402, 9405..9443		

Seq. No.	24171	Seq. ID	OJ990524_04.0103.C6
Gene No.	50308	Strand	-
Start	1	End	5373
Name	OJ990524_04.0103.C6.o1.np	Method	AAT/NAP
Start	1	End	5373
GI	6815097	Score	2209
Exons	1..1020, 1135..1743, 4499..5373		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	24171	Seq. ID	OJ990524_04.0103.C6
Gene No.	50308	Strand	-
Start	1	End	5373
Name	OJ990524_04.0103.C6.o1.tc	Method	TBLASTX:Cress
Start	5020	End	5280
GI	none	Score	62
Exons	5020..5280, 5056..5265		

Seq. No.	24172	Seq. ID	OJ990524_04.0103.C7
Gene No.	50309	Strand	+
Start	92	End	3362
Name	OJ990524_04.0103.C7.o1.gs	Method	GENSCAN
Start	92	End	2387
GI	none	Score	.62
Exons	92..217, 246..371, 400..525, 554..679, 708..833, 862..987, 1981..2078, 2084..2223, 2279..2387		

Seq. No.	24172	Seq. ID	OJ990524_04.0103.C7
Gene No.	50309	Strand	+
Start	92	End	3362
Name	OJ990524_04.0103.C7.o1.np	Method	AAT/NAP

Start	1593	End	3362
GI	6063554	Score	346
Exons	1593..1863, 1981..2223, 2521..2551, 3191..3362		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	24172	Seq. ID	OJ990524_04.0103.C7
Gene No.	50310	Strand	-
Start	2755	End	3272
Name	OJ990524_04.0103.C7.o1.gp	Method	AAT/GAP
Start	2755	End	3272
GI	uC-osf1M202048c12b1	Score	766
Exons	2755..3272		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	24173	Seq. ID	OJ990524_04.0103.C9
Gene No.	50311	Strand	+
Start	1044	End	2535
Name	OJ990524_04.0103.C9.o1.np	Method	AAT/NAP
Start	1044	End	2531
GI	5103813	Score	324
Exons	1044..1182, 2123..2531		
GI Descrip.	(AC007591) Contains a PF|00175 Oxidoreductase FAD/NADH-binding domain. ESTs gb|H76345 and gb|AA651465 come from this gene. [Arabidopsis thaliana]		

Seq. No.	24173	Seq. ID	OJ990524_04.0103.C9
Gene No.	50311	Strand	+
Start	1044	End	2535
Name	OJ990524_04.0103.C9.o1.gp	Method	AAT/GAP
Start	1959	End	2366
GI	12066_1.R1084	Score	713
Exons	1959..2366		
GI Descrip.	'5103813/gb|AAD39643.1|AC007591_8 1.0e-16 (AC007591) Contains a PF_00175 Oxidoreductase FAD/NADH-binding domain. ESTs gb_H76345 and gb_AA651465 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	24173	Seq. ID	OJ990524_04.0103.C9
Gene No.	50311	Strand	+
Start	1044	End	2535
Name	OJ990524_04.0103.C9.o1.gs	Method	GENSCAN
Start	2008	End	2535
GI	none	Score	.87
Exons	2008..2535		

Seq. No.	24173	Seq. ID	OJ990524_04.0103.C9
Gene No.	50311	Strand	+
Start	1044	End	2535
Name	OJ990524_04.0103.C9.o1.tc	Method	TBLASTX:Cress
Start	2127	End	2466
GI	none	Score	69
Exons	2127..2174, 2128..2175, 2191..2295, 2193..2303, 2302..2355, 2314..2343, 2332..2466, 2353..2466		

Seq. No.	24173	Seq. ID	OJ990524_04.0103.C9

Gene No.	50311	Strand	+
Start	1044	End	2535
Name	OJ990524_04.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	2130	End	2531
GI	none	Score	447
Exons	2130..2306, 2131..2529, 2266..2529, 2337..2531		

Seq. No.	24174	Seq. ID	OJ990524_04.0103.C10
Gene No.	50312	Strand	+
Start	1355	End	3706
Name	OJ990524_04.0103.C10.o1.np	Method	AAT/NAP
Start	1355	End	3706
GI	5103813	Score	236
Exons	1355..1375, 3207..3306, 3381..3476, 3566..3706		
GI Descrip.	(AC007591) Contains a PF|00175 Oxidoreductase FAD/NADH-binding domain. ESTs gb|H76345 and gb|AA651465 come from this gene. [Arabidopsis thaliana]		

Seq. No.	24174	Seq. ID	OJ990524_04.0103.C10
Gene No.	50312	Strand	+
Start	1355	End	3706
Name	OJ990524_04.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	3203	End	3650
GI	none	Score	63
Exons	3203..3322, 3204..3302, 3205..3330, 3205..3306, 3212..3364, 3375..3476, 3378..3476, 3379..3477, 3380..3478, 3395..3478, 3563..3646, 3563..3646, 3564..3650, 3565..3648		

Seq. No.	24174	Seq. ID	OJ990524_04.0103.C10
Gene No.	50312	Strand	+
Start	1355	End	3706
Name	OJ990524_04.0103.C10.o1.ts	Method	TBLASTX:Soybean
Start	3204	End	3663
GI	none	Score	129
Exons	3204..3299, 3208..3306, 3375..3485, 3380..3475, 3563..3646, 3584..3646, 3607..3663		

Seq. No.	24175	Seq. ID	OJ990524_04.0103.C11
Gene No.	50313	Strand	-
Start	1410	End	5145
Name	OJ990524_04.0103.C11.o1.gs	Method	GENSCAN
Start	1410	End	5145
GI	none	Score	.43
Exons	1410..1703, 2414..2576, 2617..2656, 2751..2897, 4288..4357, 4451..4759, 4980..5145		

Seq. No.	24175	Seq. ID	OJ990524_04.0103.C11
Gene No.	50313	Strand	-
Start	1410	End	5145
Name	OJ990524_04.0103.C11.o1.np	Method	AAT/NAP
Start	4094	End	4733
GI	6498436	Score	215
Exons	4094..4212, 4493..4733		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	24176	Seq. ID	OJ990524_04.0103.C12
Gene No.	50314	Strand	+

Start	1	End	845
Name	OJ990524_04.0103.C12.o1.np	Method	AAT/NAP
Start	1	End	845
GI	3810596	Score	52
Exons	1..24, 95..642, 816..845		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	24177	Seq. ID	OJ990524_04.0103.C13
Gene No.	50315	Strand	-
Start	1	End	268
Name	OJ990524_04.0103.C13.o1.np	Method	AAT/NAP
Start	1	End	268
GI	400636	Score	410
Exons	1..268		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 1, CHLOROPLAST gi|320098|pir||JQ1671 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 1 - maize chloroplast gi|12420|emb|CAA44228| (X62370) NADH Dehydrogenase subunit A [Zea mays] gi|902289|emb|CAA60353| (X86563) NADH dehydrogenase ND1 [Zea mays]		

Seq. No.	24177	Seq. ID	OJ990524_04.0103.C13
Gene No.	50315	Strand	-
Start	1	End	268
Name	OJ990524_04.0103.C13.o1.ts	Method	TBLASTX:Soybean
Start	1	End	231
GI	none	Score	74
Exons	1..72, 1..84, 55..231, 68..223		

Seq. No.	24177	Seq. ID	OJ990524_04.0103.C13
Gene No.	50315	Strand	-
Start	1	End	268
Name	OJ990524_04.0103.C13.o1.tc	Method	TBLASTX:Cress
Start	4	End	268
GI	none	Score	136
Exons	4..141, 9..215, 10..267, 11..268		

Seq. No.	24178	Seq. ID	OJ990524_04.0103.C15
Gene No.	50316	Strand	-
Start	360	End	447
Name	OJ990524_04.0103.C15.o1.gs	Method	GENSCAN
Start	360	End	447
GI	none	Score	.49
Exons	360..447		

Seq. No.	24179	Seq. ID	OJ990524_04.0103.C16
Gene No.	50317	Strand	+
Start	223	End	1424
Name	OJ990524_04.0103.C16.o1.gs	Method	GENSCAN
Start	223	End	1323
GI	none	Score	.83
Exons	223..401, 464..587, 678..760, 1251..1323		

Seq. No.	24179	Seq. ID	OJ990524_04.0103.C16
Gene No.	50317	Strand	+
Start	223	End	1424

Name	OJ990524_04.0103.C16.o1.gp	Method	AAT/GAP
Start	546	End	1424
GI	none	Score	547
Exons	546..587, 678..760, 927..964, 1075..1158, 1251..1424		

Seq. No.	24180	Seq. ID	OJ990524_04.0103.C17
Gene No.	50318	Strand	+
Start	60	End	868
Name	OJ990524_04.0103.C17.o1.gp	Method	AAT/GAP
Start	60	End	868
GI	none	Score	451
Exons	60..141, 234..306, 759..868		

Seq. No.	24181	Seq. ID	OJ990524_04.0103.C18
Gene No.	50319	Strand	+
Start	500	End	8253
Name	OJ990524_04.0103.C18.o1.gs	Method	GENSCAN
Start	500	End	8253
GI	none	Score	.52
Exons	500..667, 738..982, 2483..2543, 3317..3605, 4185..4380, 4841..4930, 5274..5501, 5896..5980, 7585..8253		

Seq. No.	24181	Seq. ID	OJ990524_04.0103.C18
Gene No.	50319	Strand	+
Start	500	End	8253
Name	OJ990524_04.0103.C18.o1.gp	Method	AAT/GAP
Start	620	End	1303
GI	3763508	Score	1111
Exons	620..664, 738..1303		

Seq. No.	24181	Seq. ID	OJ990524_04.0103.C18
Gene No.	50320	Strand	+
Start	8524	End	10113
Name	OJ990524_04.0103.C18.o1.np	Method	AAT/NAP
Start	8524	End	10113
GI	4680179	Score	1141
Exons	8524..9559, 9614..10113		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	24181	Seq. ID	OJ990524_04.0103.C18
Gene No.	50320	Strand	+
Start	8524	End	10113
Name	OJ990524_04.0103.C18.o3.tw	Method	TBLASTX:Wheat
Start	8749	End	8975
GI	none	Score	216
Exons	8749..8961, 8764..8973, 8775..8975		

Seq. No.	24181	Seq. ID	OJ990524_04.0103.C18
Gene No.	50320	Strand	+
Start	8524	End	10113
Name	OJ990524_04.0103.C18.o1.tw	Method	TBLASTX:Wheat
Start	8994	End	9345
GI	none	Score	302
Exons	8994..9158, 8998..9345, 9025..9192		

Seq. No.	24181	Seq. ID	OJ990524_04.0103.C18
Gene No.	50320	Strand	+

Start	8524	End	10113
Name	OJ990524_04.0103.C18.o1.tm	Method	TBLASTX:Maize
Start	8998	End	9303
GI	none	Score	207
Exons	8998..9303, 9015..9158		

Seq. No.	24181	Seq. ID	OJ990524_04.0103.C18
Gene No.	50320	Strand	+
Start	8524	End	10113
Name	OJ990524_04.0103.C18.o2.tw	Method	TBLASTX:Wheat
Start	9693	End	10047
GI	none	Score	247
Exons	9693..9995, 9694..10047		

Seq. No.	24182	Seq. ID	OJ990524_04.0103.C19
Gene No.	50321	Strand	+
Start	328	End	962
Name	OJ990524_04.0103.C19.o1.gs	Method	GENSCAN
Start	328	End	962
GI	none	Score	.54
Exons	328..550, 649..962		

Seq. No.	24182	Seq. ID	OJ990524_04.0103.C19
Gene No.	50322	Strand	-
Start	1190	End	1365
Name	OJ990524_04.0103.C19.o2.gs	Method	GENSCAN
Start	1190	End	1365
GI	none	Score	.78
Exons	1190..1365		

Seq. No.	24183	Seq. ID	OJ990524_04.0103.C20
Gene No.	50323	Strand	+
Start	2210	End	2338
Name	OJ990524_04.0103.C20.o2.np	Method	AAT/NAP
Start	2210	End	2338
GI	5257279	Score	70
Exons	2210..2338		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	24183	Seq. ID	OJ990524_04.0103.C20
Gene No.	50324	Strand	-
Start	277	End	2338
Name	OJ990524_04.0103.C20.o1.gs	Method	GENSCAN
Start	277	End	2277
GI	none	Score	.62
Exons	277..989, 1017..1058, 1187..1272, 1734..1768, 2173..2277		

Seq. No.	24183	Seq. ID	OJ990524_04.0103.C20
Gene No.	50324	Strand	-
Start	277	End	2338
Name	OJ990524_04.0103.C20.o1.np	Method	AAT/NAP
Start	518	End	2338
GI	6705984	Score	404
Exons	518..1035, 2297..2338		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	24183	Seq. ID	OJ990524_04.0103.C20
Gene No.	50324	Strand	-
Start	277	End	2338
Name	OJ990524_04.0103.C20.o1.tm	Method	TBLASTX:Maize
Start	523	End	775
GI	none	Score	93
Exons	523..747, 541..774, 641..775		

Seq. No.	24183	Seq. ID	OJ990524_04.0103.C20
Gene No.	50324	Strand	-
Start	277	End	2338
Name	OJ990524_04.0103.C20.o1.ts	Method	TBLASTX:Soybean
Start	544	End	963
GI	none	Score	49
Exons	544..702, 581..685, 694..906,	694..963, 698..928	

Seq. No.	24183	Seq. ID	OJ990524_04.0103.C20
Gene No.	50324	Strand	-
Start	277	End	2338
Name	OJ990524_04.0103.C20.o1.tw	Method	TBLASTX:Wheat
Start	574	End	1014
GI	none	Score	94
Exons	574..726, 578..715, 654..740,	739..993, 740..967, 745..1014	

Seq. No.	24184	Seq. ID	OJ990524_04.0103.C21
Gene No.	50325	Strand	+
Start	1	End	721
Name	OJ990524_04.0103.C21.o1.np	Method	AAT/NAP
Start	1	End	721
GI	6721517	Score	570
Exons	1..109, 301..721		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	24184	Seq. ID	OJ990524_04.0103.C21
Gene No.	50325	Strand	+
Start	1	End	721
Name	OJ990524_04.0103.C21.o1.tw	Method	TBLASTX:Wheat
Start	378	End	720
GI	none	Score	313
Exons	378..719, 487..720		

Seq. No.	24184	Seq. ID	OJ990524_04.0103.C21
Gene No.	50325	Strand	+
Start	1	End	721
Name	OJ990524_04.0103.C21.o1.tm	Method	TBLASTX:Maize
Start	391	End	683
GI	none	Score	66
Exons	391..432, 393..683, 438..575,	490..681	

Seq. No.	24185	Seq. ID	OJ990524_04.0103.C22
Gene No.	50326	Strand	+
Start	10	End	804
Name	OJ990524_04.0103.C22.o1.gs	Method	GENSCAN
Start	10	End	804
GI	none	Score	.85
Exons	10..221, 756..804		

Seq. No.	24185	Seq. ID	OJ990524_04.0103.C22
Gene No.	50327	Strand	-
Start	332	End	613
Name	OJ990524_04.0103.C22.o1.gp	Method	AAT/GAP
Start	332	End	613
GI	none	Score	564
Exons	332..613		

Seq. No.	24186	Seq. ID	OJ990524_04.0103.C23
Gene No.	50328	Strand	-
Start	37	End	252
Name	OJ990524_04.0103.C23.o1.gp	Method	AAT/GAP
Start	37	End	252
GI	101153_1.R1084	Score	291
Exons	37..252		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	24187	Seq. ID	OJ990524_04.0103.C24
Gene No.	50329	Strand	+
Start	1	End	1199
Name	OJ990524_04.0103.C24.o1.np	Method	AAT/NAP
Start	1	End	1199
GI	4680179	Score	1656
Exons	1..1199		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	24187	Seq. ID	OJ990524_04.0103.C24
Gene No.	50329	Strand	+
Start	1	End	1199
Name	OJ990524_04.0103.C24.o2.tw	Method	TBLASTX:Wheat
Start	3	End	335
GI	none	Score	50
Exons	3..68, 50..130, 51..134, 138..335, 146..283		

Seq. No.	24187	Seq. ID	OJ990524_04.0103.C24
Gene No.	50329	Strand	+
Start	1	End	1199
Name	OJ990524_04.0103.C24.o1.gs	Method	GENSCAN
Start	49	End	1087
GI	none	Score	.69
Exons	49..357, 387..586, 602..1087		

Seq. No.	24187	Seq. ID	OJ990524_04.0103.C24
Gene No.	50329	Strand	+
Start	1	End	1199
Name	OJ990524_04.0103.C24.o2.tm	Method	TBLASTX:Maize
Start	147	End	646
GI	none	Score	157
Exons	147..326, 155..280, 356..646, 397..525, 559..618		

Seq. No.	24187	Seq. ID	OJ990524_04.0103.C24
Gene No.	50329	Strand	+
Start	1	End	1199
Name	OJ990524_04.0103.C24.o1.ts	Method	TBLASTX:Soybean
Start	201	End	595
GI	none	Score	57

Exons	201..233, 237..401, 244..354, 347..595, 355..594		
Seq. No.	24187	Seq. ID	OJ990524_04.0103.C24
Gene No.	50329	Strand	+
Start	1	End	1199
Name	OJ990524_04.0103.C24.o3.tw	Method	TBLASTX:Wheat
Start	347	End	603
GI	none	Score	324
Exons	347..595, 355..603, 457..603		
Seq. No.	24187	Seq. ID	OJ990524_04.0103.C24
Gene No.	50329	Strand	+
Start	1	End	1199
Name	OJ990524_04.0103.C24.o1.tw	Method	TBLASTX:Wheat
Start	611	End	1114
GI	none	Score	604
Exons	611..1114, 628..1032		
Seq. No.	24187	Seq. ID	OJ990524_04.0103.C24
Gene No.	50329	Strand	+
Start	1	End	1199
Name	OJ990524_04.0103.C24.o2.ts	Method	TBLASTX:Soybean
Start	617	End	862
GI	none	Score	209
Exons	617..862, 634..747		
Seq. No.	24187	Seq. ID	OJ990524_04.0103.C24
Gene No.	50329	Strand	+
Start	1	End	1199
Name	OJ990524_04.0103.C24.o1.tm	Method	TBLASTX:Maize
Start	682	End	1045
GI	none	Score	459
Exons	682..936, 683..1036, 737..1045		
Seq. No.	24188	Seq. ID	OJ990524_04.0103.C27
Gene No.	50330	Strand	-
Start	1	End	2163
Name	OJ990524_04.0103.C27.o1.np	Method	AAT/NAP
Start	1	End	2163
GI	6815072	Score	1438
Exons	1..2163		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		
Seq. No.	24188	Seq. ID	OJ990524_04.0103.C27
Gene No.	50330	Strand	-
Start	1	End	2163
Name	OJ990524_04.0103.C27.o2.ts	Method	TBLASTX:Soybean
Start	41	End	223
GI	none	Score	103
Exons	41..223, 48..221		
Seq. No.	24188	Seq. ID	OJ990524_04.0103.C27
Gene No.	50330	Strand	-
Start	1	End	2163
Name	OJ990524_04.0103.C27.o1.gs	Method	GENSCAN
Start	144	End	2081

GI	none	Score	.63
Exons	144..1609, 1792..2081		

Seq. No.	24188	Seq. ID	OJ990524_04.0103.C27
Gene No.	50330	Strand	-
Start	1	End	2163
Name	OJ990524_04.0103.C27.o2.tm	Method	TBLASTX:Maize
Start	149	End	487
GI	none	Score	41
Exons	149..223, 150..224, 242..487, 273..467		

Seq. No.	24188	Seq. ID	OJ990524_04.0103.C27
Gene No.	50330	Strand	-
Start	1	End	2163
Name	OJ990524_04.0103.C27.o1.tc	Method	TBLASTX:Cress
Start	215	End	460
GI	none	Score	104
Exons	215..460, 216..410		

Seq. No.	24188	Seq. ID	OJ990524_04.0103.C27
Gene No.	50330	Strand	-
Start	1	End	2163
Name	OJ990524_04.0103.C27.o1.ts	Method	TBLASTX:Soybean
Start	293	End	523
GI	none	Score	75
Exons	293..523, 300..395, 449..523		

Seq. No.	24188	Seq. ID	OJ990524_04.0103.C27
Gene No.	50330	Strand	-
Start	1	End	2163
Name	OJ990524_04.0103.C27.o1.tm	Method	TBLASTX:Maize
Start	776	End	1144
GI	none	Score	103
Exons	776..1144, 950..1144		

Seq. No.	24188	Seq. ID	OJ990524_04.0103.C27
Gene No.	50330	Strand	-
Start	1	End	2163
Name	OJ990524_04.0103.C27.o3.tm	Method	TBLASTX:Maize
Start	1289	End	1743
GI	none	Score	88
Exons	1289..1504, 1290..1430, 1675..1743		

Seq. No.	24189	Seq. ID	OJ990524_04.0103.C28
Gene No.	50331	Strand	-
Start	165	End	598
Name	OJ990524_04.0103.C28.o1.gs	Method	GENSCAN
Start	165	End	598
GI	none	Score	.57
Exons	165..290, 319..444, 473..598		

Seq. No.	24190	Seq. ID	OJ990524_04.0103.C29
Gene No.	50332	Strand	-
Start	110	End	437
Name	OJ990524_04.0103.C29.o1.gs	Method	GENSCAN
Start	110	End	437
GI	none	Score	.8

Exons	110..230, 362..437		
Seq. No.	24191	Seq. ID	OJ990524_04.0103.C31
Gene No.	50333	Strand	-
Start	1	End	1149
Name	OJ990524_04.0103.C31.o1.np	Method	AAT/NAP
Start	1	End	1149
GI	4585985	Score	705
Exons	1..348, 395..899, 989..1149		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		
Seq. No.	24191	Seq. ID	OJ990524_04.0103.C31
Gene No.	50333	Strand	-
Start	1	End	1149
Name	OJ990524_04.0103.C31.o1.tm	Method	TBLASTX:Maize
Start	841	End	1149
GI	none	Score	45
Exons	841..921, 991..1065, 1002..1064, 1081..1149, 1088..1147		
Seq. No.	24192	Seq. ID	OJ990524_04.0103.C32
Gene No.	50334	Strand	-
Start	1	End	1446
Name	OJ990524_04.0103.C32.o1.np	Method	AAT/NAP
Start	1	End	1446
GI	4585985	Score	418
Exons	1..248, 478..1010, 1367..1446		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		
Seq. No.	24192	Seq. ID	OJ990524_04.0103.C32
Gene No.	50334	Strand	-
Start	1	End	1446
Name	OJ990524_04.0103.C32.o1.tm	Method	TBLASTX:Maize
Start	28	End	841
GI	none	Score	62
Exons	28..291, 284..412, 360..410, 431..745, 438..620, 746..769, 770..841		
Seq. No.	24192	Seq. ID	OJ990524_04.0103.C32
Gene No.	50334	Strand	-
Start	1	End	1446
Name	OJ990524_04.0103.C32.o1.gs	Method	GENSCAN
Start	54	End	1339
GI	none	Score	.54
Exons	54..191, 355..1205, 1316..1339		
Seq. No.	24193	Seq. ID	OJ990524_04.0103.C33
Gene No.	50335	Strand	+
Start	1430	End	6232
Name	OJ990524_04.0103.C33.o2.gs	Method	GENSCAN
Start	1430	End	6232
GI	none	Score	.57
Exons	1430..1444, 1449..1544, 5299..5454, 5589..5924, 6104..6232		
Seq. No.	24193	Seq. ID	OJ990524_04.0103.C33
Gene No.	50336	Strand	-
Start	23	End	853
Name	OJ990524_04.0103.C33.o1.gs	Method	GENSCAN

Start	23	End	853
GI	none	Score	.56
Exons	23..177, 288..311, 364..472, 565..627, 721..853		

Seq. No.	24193	Seq. ID	OJ990524_04.0103.C33
Gene No.	50337	Strand	-
Start	6946	End	7833
Name	OJ990524_04.0103.C33.o1.np	Method	AAT/NAP
Start	6946	End	7833
GI	1171861	Score	689
Exons	6946..7062, 7418..7833		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT I (FRXB PROTEIN) gi|1363565|pir||S58619 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 1 - maize chloroplast gi|902288|emb|CAA60352| (X86563) NADH dehydrogenase subunit [Zea mays]		

Seq. No.	24193	Seq. ID	OJ990524_04.0103.C33
Gene No.	50338	Strand	-
Start	7931	End	10003
Name	OJ990524_04.0103.C33.o2.np	Method	AAT/NAP
Start	7931	End	10003
GI	128620	Score	1704
Exons	7931..8465, 9452..10003		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 1, CHLOROPLAST gi|66139|pir||DERZN1 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 1 - rice chloroplast gi|669087|emb|CAA33910| (X15901) NADH dehydrogenase ND1 [Oryza sativa] gi|226676|prf||1603356DD NADH dehydrogenase ND1 [Oryza sativa]		

Seq. No.	24193	Seq. ID	OJ990524_04.0103.C33
Gene No.	50339	Strand	-
Start	10008	End	10125
Name	OJ990524_04.0103.C33.o3.ts	Method	TBLASTX:Soybean
Start	7570	End	7838
GI	none	Score	253
Exons	7570..7824, 7571..7825, 7575..7838, 7586..7831		

Seq. No.	24193	Seq. ID	OJ990524_04.0103.C33
Gene No.	50339	Strand	-
Start	10008	End	10125
Name	OJ990524_04.0103.C33.o1.tc	Method	TBLASTX:Cress
Start	7736	End	10125
GI	none	Score	133
Exons	7736..7864, 7736..7855, 7738..7911, 7929..8129, 7932..8123, 7967..8164, 8121..8405, 8121..8405, 8123..8422, 8123..8422, 8396..8467, 8407..8466, 9434..9658, 9451..9873, 9452..9874, 9453..9875, 9454..9876, 9916..10017, 9918..10124, 9918..10124, 9997..10125		

Seq. No.	24193	Seq. ID	OJ990524_04.0103.C33
Gene No.	50339	Strand	-
Start	10008	End	10125
Name	OJ990524_04.0103.C33.o2.ts	Method	TBLASTX:Soybean
Start	7926	End	9451
GI	none	Score	475
Exons	7926..8405, 7926..8405, 7949..8422, 7967..8422, 8396..8467, 8407..8559, 8409..8546, 8677..8712, 8714..8770, 8728..8766,		

8816..8869, 8921..9004, 8927..9001, 9096..9164, 9098..9130, 9196..9228, 9198..9233, 9281..9343, 9282..9320, 9328..9378, 9329..9451

Seq. No.	24193	Seq. ID	OJ990524_04.0103.C33
Gene No.	50339	Strand	-
Start	10008	End	10125
Name	OJ990524_04.0103.C33.o1.ts	Method	TBLASTX:Soybean
Start	9529	End	10125
GI	none	Score	375
Exons	9529..9885, 9531..9875, 9882..9914, 9910..10017, 9920..10015, 9921..10124, 9949..10125		

Seq. No.	24193	Seq. ID	OJ990524_04.0103.C33
Gene No.	50339	Strand	-
Start	10008	End	10125
Name	OJ990524_04.0103.C33.o3.np	Method	AAT/NAP
Start	10008	End	10125
GI	6647614	Score	169
Exons	10008..10125		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE 49 KD SUBUNIT, CHLOROPLAST gi|4150868|emb|CAA09811| (AJ011848) ndhH protein [Hordeum vulgare]		

Seq. No.	24194	Seq. ID	OJ990524_04.0103.C34
Gene No.	50340	Strand	+
Start	809	End	933
Name	OJ990524_04.0103.C34.o1.gs	Method	GENSCAN
Start	809	End	933
GI	none	Score	.79
Exons	809..933		

Seq. No.	24194	Seq. ID	OJ990524_04.0103.C34
Gene No.	50341	Strand	+
Start	1115	End	3085
Name	OJ990524_04.0103.C34.o3.np	Method	AAT/NAP
Start	1115	End	3085
GI	2739387	Score	201
Exons	1115..1168, 2320..2548, 2791..3085		
GI Descrip.	(AC002505) En/Spm-like transposon protein [Arabidopsis thaliana]		

Seq. No.	24194	Seq. ID	OJ990524_04.0103.C34
Gene No.	50342	Strand	-
Start	1	End	491
Name	OJ990524_04.0103.C34.o1.np	Method	AAT/NAP
Start	1	End	491
GI	128620	Score	438
Exons	1..491		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 1, CHLOROPLAST gi|66139|pir||DERZN1 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 1 - rice chloroplast gi|669087|emb|CAA33910| (X15901) NADH dehydrogenase ND1 [Oryza sativa] gi|226676|prf||1603356DD NADH dehydrogenase ND1 [Oryza sativa]		

Seq. No.	24194	Seq. ID	OJ990524_04.0103.C34
Gene No.	50343	Strand	-
Start	496	End	2677

Name	OJ990524_04.0103.C34.o1.ts	Method	TBLASTX:Soybean
Start	172	End	675
GI	none	Score	232
Exons	172..363, 173..367, 173..409, 180..401, 181..459, 398..505, 408..503, 409..675, 437..673		

Seq. No.	24194	Seq. ID	OJ990524_04.0103.C34
Gene No.	50343	Strand	-
Start	496	End	2677
Name	OJ990524_04.0103.C34.o1.tc	Method	TBLASTX:Cress
Start	179	End	627
GI	none	Score	241
Exons	179..364, 181..363, 404..505, 406..627, 406..627		

Seq. No.	24194	Seq. ID	OJ990524_04.0103.C34
Gene No.	50343	Strand	-
Start	496	End	2677
Name	OJ990524_04.0103.C34.o2.np	Method	AAT/NAP
Start	496	End	2677
GI	128833	Score	281
Exons	496..679, 2592..2677		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE 49 KD SUBUNIT, CHLOROPLAST gi|100954|pir||S13600 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) 49K chain - maize chloroplast gi|14301|emb|CAA39868| (X56521) ndhH subunit of NADH dehydrogenase [Zea mays] gi|902290|emb|CAA60354| (X86563) NADH dehydrogenase 49KDa protein [Zea mays]		

Seq. No.	24194	Seq. ID	OJ990524_04.0103.C34
Gene No.	50343	Strand	-
Start	496	End	2677
Name	OJ990524_04.0103.C34.o2.tm	Method	TBLASTX:Maize
Start	2391	End	2555
GI	none	Score	235
Exons	2391..2555, 2392..2553		

Seq. No.	24194	Seq. ID	OJ990524_04.0103.C34
Gene No.	50344	Strand	
Start	2781	End	3026
Name	OJ990524_04.0103.C34.o1.tm	Method	TBLASTX:Maize
Start	2781	End	3004
GI	none	Score	287
Exons	2781..3002, 2789..3004, 2790..3002		

Seq. No.	24194	Seq. ID	OJ990524_04.0103.C34
Gene No.	50344	Strand	
Start	2781	End	3026
Name	OJ990524_04.0103.C34.o2.ts	Method	TBLASTX:Soybean
Start	2790	End	3026
GI	none	Score	103
Exons	2790..2879, 2801..2869, 2894..3022, 2895..3026		

Seq. No.	24195	Seq. ID	OJ990524_04.0103.C35
Gene No.	50345	Strand	+
Start	1	End	1438
Name	OJ990524_04.0103.C35.o1.np	Method	AAT/NAP
Start	1	End	1438

GI	2739387	Score	108
Exons	1..377, 1409..1438		
GI Descrip.	(AC002505) En/Spm-like transposon protein [Arabidopsis thaliana]		

Seq. No.	24195	Seq. ID	OJ990524_04.0103.C35
Gene No.	50345	Strand	+
Start	1	End	1438
Name	OJ990524_04.0103.C35.o2.tm	Method	TBLASTX:Maize
Start	94	End	317
GI	none	Score	287
Exons	94..315, 102..317, 103..315		

Seq. No.	24195	Seq. ID	OJ990524_04.0103.C35
Gene No.	50345	Strand	+
Start	1	End	1438
Name	OJ990524_04.0103.C35.o1.ts	Method	TBLASTX:Soybean
Start	103	End	402
GI	none	Score	103
Exons	103..192, 114..182, 207..380, 208..402		

Seq. No.	24195	Seq. ID	OJ990524_04.0103.C35
Gene No.	50345	Strand	+
Start	1	End	1438
Name	OJ990524_04.0103.C35.o1.tm	Method	TBLASTX:Maize
Start	433	End	968
GI	none	Score	153
Exons	433..549, 442..549, 674..967, 690..968, 690..926, 787..963		

Seq. No.	24195	Seq. ID	OJ990524_04.0103.C35
Gene No.	50345	Strand	+
Start	1	End	1438
Name	OJ990524_04.0103.C35.o1.gs	Method	GENSCAN
Start	674	End	1027
GI	none	Score	.93
Exons	674..1027		

Seq. No.	24196	Seq. ID	OJ990524_04.0103.C36
Gene No.	50346	Strand	+
Start	1	End	446
Name	OJ990524_04.0103.C36.o1.np	Method	AAT/NAP
Start	1	End	446
GI	2119980	Score	631
Exons	1..446		
GI Descrip.	transposase (transposons) - Escherichia coli gi|43089|emb|CAA42760| (X60200) transposase [Escherichia coli] gi|303566|dbj|BAA03914| (D16449) transposase [Escherichia coli]		

Seq. No.	24197	Seq. ID	OJ990524_04.0103.C37
Gene No.	50347	Strand	+
Start	397	End	1063
Name	OJ990524_04.0103.C37.o1.gs	Method	GENSCAN
Start	397	End	1063
GI	none	Score	.95
Exons	397..1063		

Seq. No.	24198	Seq. ID	OJ990524_04.0103.C39
Gene No.	50348	Strand	-

Start	988	End	1165
Name	OJ990524_04.0103.C39.o1.np	Method	AAT/NAP
Start	988	End	1165
GI	629693	Score	108
Exons	988..1165		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	24199	Seq. ID	OJ990524_04.0103.C43
Gene No.	50349	Strand	-
Start	337	End	1045
Name	OJ990524_04.0103.C43.o1.gs	Method	GENSCAN
Start	337	End	1045
GI	none	Score	.66
Exons	337..429, 814..1045		

Seq. No.	24200	Seq. ID	OJ990524_04.0103.C46
Gene No.	50350	Strand	-
Start	782	End	1320
Name	OJ990524_04.0103.C46.o1.gs	Method	GENSCAN
Start	782	End	1320
GI	none	Score	.44
Exons	782..934, 1222..1320		

Seq. No.	24201	Seq. ID	OJ990524_04.0103.C48
Gene No.	50351	Strand	-
Start	667	End	5869
Name	OJ990524_04.0103.C48.o1.np	Method	AAT/NAP
Start	503	End	5869
GI	6691191	Score	906
Exons	503..557, 2289..3584, 5051..5127, 5804..5869		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	24201	Seq. ID	OJ990524_04.0103.C48
Gene No.	50351	Strand	-
Start	667	End	5869
Name	OJ990524_04.0103.C48.o1.gs	Method	GENSCAN
Start	667	End	3179
GI	none	Score	.57
Exons	667..794, 816..930, 1005..1210, 1334..1467, 1515..1634, 2686..3179		

Seq. No.	24201	Seq. ID	OJ990524_04.0103.C48
Gene No.	50351	Strand	-
Start	667	End	5869
Name	OJ990524_04.0103.C48.o3.ts	Method	TBLASTX:Soybean
Start	2310	End	2497
GI	none	Score	93
Exons	2310..2486, 2312..2497, 2315..2497		

Seq. No.	24201	Seq. ID	OJ990524_04.0103.C48
Gene No.	50351	Strand	-
Start	667	End	5869
Name	OJ990524_04.0103.C48.o2.tw	Method	TBLASTX:Wheat
Start	2324	End	2781
GI	none	Score	46
Exons	2324..2497, 2325..2396, 2499..2708, 2499..2780, 2560..2781		

Seq. No.	24201	Seq. ID	OJ990524_04.0103.C48
Gene No.	50351	Strand	-
Start	667	End	5869
Name	OJ990524_04.0103.C48.o2.ts	Method	TBLASTX:Soybean
Start	2499	End	2807
GI	none	Score	125
Exons	2499..2807, 2551..2781		

Seq. No.	24201	Seq. ID	OJ990524_04.0103.C48
Gene No.	50351	Strand	-
Start	667	End	5869
Name	OJ990524_04.0103.C48.o1.tc	Method	TBLASTX:Cress
Start	2802	End	3176
GI	none	Score	81
Exons	2802..2876, 2877..3101, 2880..3056, 3123..3176		

Seq. No.	24201	Seq. ID	OJ990524_04.0103.C48
Gene No.	50351	Strand	-
Start	667	End	5869
Name	OJ990524_04.0103.C48.o1.tw	Method	TBLASTX:Wheat
Start	3273	End	5137
GI	none	Score	159
Exons	3273..3581, 3274..3585, 3274..3576, 3285..3584, 3311..3601, 5057..5137		

Seq. No.	24201	Seq. ID	OJ990524_04.0103.C48
Gene No.	50351	Strand	-
Start	667	End	5869
Name	OJ990524_04.0103.C48.o1.ts	Method	TBLASTX:Soybean
Start	3354	End	3594
GI	none	Score	100
Exons	3354..3590, 3355..3594		

Seq. No.	24201	Seq. ID	OJ990524_04.0103.C48
Gene No.	50351	Strand	-
Start	667	End	5869
Name	OJ990524_04.0103.C48.o2.np	Method	AAT/NAP
Start	3908	End	5869
GI	5852181	Score	96
Exons	3908..4037, 4534..4655, 5129..5284, 5811..5869		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	24202	Seq. ID	OJ990524_04.0103.C49
Gene No.	50352	Strand	-
Start	1	End	476
Name	OJ990524_04.0103.C49.o1.np	Method	AAT/NAP
Start	1	End	476
GI	128620	Score	133
Exons	1..24, 314..476		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 1, CHLOROPLAST gi|66139|pir||DERZN1 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 1 - rice chloroplast gi|669087|emb|CAA33910| (X15901) NADH dehydrogenase ND1 [Oryza sativa] gi|226676|prf||1603356DD NADH dehydrogenase ND1 [Oryza sativa]		

Seq. No.	24203	Seq. ID	OJ990524_04.0103.C50

Gene No.	50353	Strand	+
Start	694	End	954
Name	OJ990524_04.0103.C50.o1.gp	Method	AAT/GAP
Start	694	End	954
GI	61605_3.R1084	Score	443
Exons	694..954		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	24203	Seq. ID	OJ990524_04.0103.C50
Gene No.	50354	Strand	-
Start	72	End	581
Name	OJ990524_04.0103.C50.o1.gs	Method	GENSCAN
Start	72	End	581
GI	none	Score	.61
Exons	72..250, 279..404, 433..581		

Seq. No.	24204	Seq. ID	OJ990524_04.0103.C51
Gene No.	50355	Strand	+
Start	372	End	739
Name	OJ990524_04.0103.C51.o1.gs	Method	GENSCAN
Start	372	End	739
GI	none	Score	.78
Exons	372..436, 515..739		

Seq. No.	24205	Seq. ID	OJ990524_04.0103.C56
Gene No.	50356	Strand	+
Start	1	End	1201
Name	OJ990524_04.0103.C56.o1.np	Method	AAT/NAP
Start	1	End	1198
GI	4680179	Score	1613
Exons	1..1198		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	24205	Seq. ID	OJ990524_04.0103.C56
Gene No.	50356	Strand	+
Start	1	End	1201
Name	OJ990524_04.0103.C56.o2.tm	Method	TBLASTX:Maize
Start	82	End	325
GI	none	Score	349
Exons	82..321, 83..325		

Seq. No.	24205	Seq. ID	OJ990524_04.0103.C56
Gene No.	50356	Strand	+
Start	1	End	1201
Name	OJ990524_04.0103.C56.o3.tw	Method	TBLASTX:Wheat
Start	82	End	187
GI	none	Score	173
Exons	82..186, 83..187		

Seq. No.	24205	Seq. ID	OJ990524_04.0103.C56
Gene No.	50356	Strand	+
Start	1	End	1201
Name	OJ990524_04.0103.C56.o1.ts	Method	TBLASTX:Soybean
Start	86	End	235
GI	none	Score	188
Exons	86..235, 97..234		

Seq. No.	24205	Seq. ID	OJ990524_04.0103.C56
Gene No.	50356	Strand	+
Start	1	End	1201
Name	OJ990524_04.0103.C56.o1.tw	Method	TBLASTX:Wheat
Start	194	End	820
GI	none	Score	732
Exons	194..820, 250..819		

Seq. No.	24205	Seq. ID	OJ990524_04.0103.C56
Gene No.	50356	Strand	+
Start	1	End	1201
Name	OJ990524_04.0103.C56.o1.gs	Method	GENSCAN
Start	365	End	1201
GI	none	Score	.97
Exons	365..1201		

Seq. No.	24205	Seq. ID	OJ990524_04.0103.C56
Gene No.	50356	Strand	+
Start	1	End	1201
Name	OJ990524_04.0103.C56.o1.tm	Method	TBLASTX:Maize
Start	374	End	958
GI	none	Score	233
Exons	374..535, 382..528, 390..530, 533..958, 535..948		

Seq. No.	24205	Seq. ID	OJ990524_04.0103.C56
Gene No.	50356	Strand	+
Start	1	End	1201
Name	OJ990524_04.0103.C56.o2.tw	Method	TBLASTX:Wheat
Start	820	End	1153
GI	none	Score	348
Exons	820..1089, 821..1153		

Seq. No.	24205	Seq. ID	OJ990524_04.0103.C56
Gene No.	50356	Strand	+
Start	1	End	1201
Name	OJ990524_04.0103.C56.o3.tm	Method	TBLASTX:Maize
Start	962	End	1159
GI	none	Score	182
Exons	962..1159		

Seq. No.	24206	Seq. ID	OJ990524_04.0103.C57
Gene No.	50357	Strand	-
Start	490	End	817
Name	OJ990524_04.0103.C57.o1.gs	Method	GENSCAN
Start	490	End	817
GI	none	Score	.72
Exons	490..610, 742..817		

Seq. No.	24207	Seq. ID	OJ990524_04.0103.C58
Gene No.	50358	Strand	-
Start	870	End	1581
Name	OJ990524_04.0103.C58.o1.np	Method	AAT/NAP
Start	768	End	1581
GI	4567295	Score	187
Exons	768..1188, 1550..1581		
GI Descrip.	(AC006918) putative retroelement pol polyprotein [Arabidopsis		

thaliana]

Seq. No.	24207	Seq. ID	OJ990524_04.0103.C58
Gene No.	50358	Strand	-
Start	870	End	1581
Name	OJ990524_04.0103.C58.o1.ts	Method	TBLASTX:Soybean
Start	824	End	1160
GI	none	Score	169
Exons	824..859, 879..944, 954..1160		

Seq. No.	24207	Seq. ID	OJ990524_04.0103.C58
Gene No.	50358	Strand	-
Start	870	End	1581
Name	OJ990524_04.0103.C58.o1.gs	Method	GENSCAN
Start	870	End	1142
GI	none	Score	.61
Exons	870..1142		

Seq. No.	24207	Seq. ID	OJ990524_04.0103.C58
Gene No.	50358	Strand	-
Start	870	End	1581
Name	OJ990524_04.0103.C58.o1.tw	Method	TBLASTX:Wheat
Start	951	End	1160
GI	none	Score	58
Exons	951..1160, 1023..1124		

Seq. No.	24208	Seq. ID	OJ990524_03.0103.C2
Gene No.	50359	Strand	+
Start	3309	End	5133
Name	OJ990524_03.0103.C2.o1.np	Method	AAT/NAP
Start	3291	End	5106
GI	6651245	Score	934
Exons	3291..3447, 3543..3610, 4353..4519, 4626..5106		
GI Descrip.	(AF154003) pirin [Lycopersicon esculentum]		

Seq. No.	24208	Seq. ID	OJ990524_03.0103.C2
Gene No.	50359	Strand	+
Start	3309	End	5133
Name	OJ990524_03.0103.C2.o2.gs	Method	GENSCAN
Start	3309	End	5133
GI	none	Score	.87
Exons	3309..3447, 3543..3610, 4353..4615, 4626..5133		

Seq. No.	24208	Seq. ID	OJ990524_03.0103.C2
Gene No.	50360	Strand	-
Start	656	End	2873
Name	OJ990524_03.0103.C2.o1.gs	Method	GENSCAN
Start	656	End	2873
GI	none	Score	.44
Exons	656..731, 1135..1182, 2162..2237, 2765..2873		

Seq. No.	24208	Seq. ID	OJ990524_03.0103.C2
Gene No.	50361	Strand	-
Start	6532	End	8088
Name	OJ990524_03.0103.C2.o1.ts	Method	TBLASTX:Soybean
Start	3300	End	5106
GI	none	Score	146

Exons	3300..3446, 3317..3445, 3524..3616, 3541..3618, 4344..4520, 4352..4519, 4623..4769, 4627..4833, 4887..5021, 4921..5106		
Seq. No.	24208	Seq. ID	OJ990524_03.0103.C2
Gene No.	50361	Strand	-
Start	6532	End	8088
Name	OJ990524_03.0103.C2.o1.tm	Method	TBLASTX:Maize
Start	3560	End	4749
GI	none	Score	84
Exons	3560..3610, 4344..4520, 4348..4389, 4352..4519, 4623..4673, 4627..4677, 4683..4748, 4684..4749		
Seq. No.	24208	Seq. ID	OJ990524_03.0103.C2
Gene No.	50361	Strand	-
Start	6532	End	8088
Name	OJ990524_03.0103.C2.o2.tm	Method	TBLASTX:Maize
Start	4903	End	5103
GI	none	Score	200
Exons	4903..5016, 4921..5103, 4929..5021		
Seq. No.	24208	Seq. ID	OJ990524_03.0103.C2
Gene No.	50361	Strand	-
Start	6532	End	8088
Name	OJ990524_03.0103.C2.o3.gs	Method	GENSCAN
Start	6532	End	8088
GI	none	Score	.64
Exons	6532..6654, 7110..7214, 8039..8088		
Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50362	Strand	+
Start	119	End	1381
Name	OJ990524_03.0103.C3.o1.gs	Method	GENSCAN
Start	119	End	1381
GI	none	Score	.6
Exons	119..286, 998..1055, 1117..1208, 1262..1381		
Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o1.gp	Method	AAT/GAP
Start	2246	End	2482
GI	1632104	Score	417
Exons	2246..2482		
Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o3.tm	Method	TBLASTX:Maize
Start	2298	End	2603
GI	none	Score	63
Exons	2298..2369, 2305..2364, 2316..2603, 2317..2394, 2392..2442, 2437..2601		
Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o2.gs	Method	GENSCAN

Start	2320	End	10302
GI	none	Score	.75
Exons	2320..2760, 2856..3360, 3624..3667, 3992..4087, 4183..4693, 5533..5571, 6796..6949, 7527..7760, 8799..8859, 8864..9032, 9661..9882, 9974..10302		

Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	2350	End	2981
GI	none	Score	387
Exons	2350..2763, 2451..2735, 2835..2957, 2841..2981, 2858..2980		

Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o2.tc	Method	TBLASTX:Cress
Start	2383	End	2763
GI	none	Score	79
Exons	2383..2517, 2526..2741, 2527..2763		

Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o3.tc	Method	TBLASTX:Cress
Start	2850	End	3169
GI	none	Score	198
Exons	2850..3008, 2855..2992, 3023..3169, 3060..3167		

Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o3.ts	Method	TBLASTX:Soybean
Start	2981	End	4060
GI	none	Score	330
Exons	2981..3040, 3060..3374, 3143..3280, 3144..3362, 3995..4060, 3997..4059		

Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o2.gp	Method	AAT/GAP
Start	4011	End	4959
GI	16167_1.R1084	Score	1257
Exons	4011..4087, 4183..4693, 4859..4959		
GI Descrip.	'4322346/gb|AAD16019| 2.0e-27 (AF081825) sodium-dependent high-affinity dicarboxylate transporter [Rattus norvegicus] >gi_4837725_gb_AAD30657.1_AF080451_1 (AF080451) sodium-dependent dicarboxylate transporter SDCT2 [Rattus norvegicus]'		

Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o4.tm	Method	TBLASTX:Maize
Start	4171	End	4371
GI	none	Score	154

Exons	4171..4275, 4182..4274, 4182..4370, 4183..4371		
Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o4.ts	Method	TBLASTX:Soybean
Start	4243	End	4659
GI	none	Score	185
Exons	4243..4470, 4275..4400, 4438..4659, 4503..4658		
Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	4417	End	4695
GI	none	Score	358
Exons	4417..4695, 4491..4694		
Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o1.np	Method	AAT/NAP
Start	4466	End	13395
GI	5091513	Score	1642
Exons	4466..4550, 9730..10453, 11207..11739, 11766..12060, 12104..12438, 13233..13395		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o4.tc	Method	TBLASTX:Cress
Start	4468	End	4695
GI	none	Score	276
Exons	4468..4695, 4497..4694		
Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o3.gp	Method	AAT/GAP
Start	4955	End	5189
GI	2797226	Score	289
Exons	4955..5127, 5159..5189		
Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	6117	End	6344
GI	none	Score	333
Exons	6117..6344, 6134..6343		
Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o2.ts	Method	TBLASTX:Soybean
Start	6142	End	6439

GI	none	Score	403
Exons	6142..6435, 6164..6439, 6179..6436		

Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	6161	End	6448
GI	none	Score	420
Exons	6161..6448, 6162..6440, 6163..6447, 6164..6439		

Seq. No.	24209	Seq. ID	OJ990524_03.0103.C3
Gene No.	50363	Strand	+
Start	2320	End	13395
Name	OJ990524_03.0103.C3.o3.gs	Method	GENSCAN
Start	11244	End	12703
GI	none	Score	.74
Exons	11244..11639, 11662..12240, 12257..12703		

Seq. No.	24210	Seq. ID	OJ990524_03.0103.C5
Gene No.	50364	Strand	-
Start	1	End	249
Name	OJ990524_03.0103.C5.o1.np	Method	AAT/NAP
Start	1	End	249
GI	4678269	Score	87
Exons	1..44, 135..249		
GI Descrip.	(AL049660) putative protein [Arabidopsis thaliana]		

Seq. No.	24211	Seq. ID	OJ990524_03.0103.C6
Gene No.	50365	Strand	-
Start	178	End	588
Name	OJ990524_03.0103.C6.o1.gs	Method	GENSCAN
Start	178	End	588
GI	none	Score	.85
Exons	178..353, 444..588		

Seq. No.	24212	Seq. ID	OJ990524_03.0103.C9
Gene No.	50366	Strand	-
Start	45	End	122
Name	OJ990524_03.0103.C9.o1.gs	Method	GENSCAN
Start	45	End	122
GI	none	Score	.83
Exons	45..122		

Seq. No.	24213	Seq. ID	OJ990524_03.0103.C10
Gene No.	50367	Strand	+
Start	395	End	470
Name	OJ990524_03.0103.C10.o1.gp	Method	AAT/GAP
Start	395	End	470
GI	3760640	Score	86
Exons	395..470		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	24213	Seq. ID	OJ990524_03.0103.C10
Gene No.	50368	Strand	-
Start	954	End	1073

Name	OJ990524_03.0103.C10.o1.gs	Method	GENSCAN
Start	954	End	1073
GI	none	Score	.95
Exons	954..1073		

Seq. No.	24214	Seq. ID	OJ990524_03.0103.C11
Gene No.	50369	Strand	+
Start	440	End	1226
Name	OJ990524_03.0103.C11.o1.gs	Method	GENSCAN
Start	440	End	1226
GI	none	Score	.72
Exons	440..512, 547..693, 1039..1163, 1180..1226		

Seq. No.	24215	Seq. ID	OJ990524_03.0103.C12
Gene No.	50370	Strand	+
Start	7043	End	7769
Name	OJ990524_03.0103.C12.o2.gs	Method	GENSCAN
Start	7043	End	7769
GI	none	Score	.57
Exons	7043..7769		

Seq. No.	24215	Seq. ID	OJ990524_03.0103.C12
Gene No.	50371	Strand	-
Start	120	End	5845
Name	OJ990524_03.0103.C12.o1.gs	Method	GENSCAN
Start	120	End	5530
GI	none	Score	.5
Exons	120..293, 1448..1679, 1963..2188, 2811..2901, 2990..3078, 3121..3386, 3525..3863, 4049..4271, 5287..5530		

Seq. No.	24215	Seq. ID	OJ990524_03.0103.C12
Gene No.	50371	Strand	-
Start	120	End	5845
Name	OJ990524_03.0103.C12.o1.np	Method	AAT/NAP
Start	3098	End	5845
GI	5902445	Score	1006
Exons	3098..4271, 5819..5845		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	24215	Seq. ID	OJ990524_03.0103.C12
Gene No.	50371	Strand	-
Start	120	End	5845
Name	OJ990524_03.0103.C12.o2.ts	Method	TBLASTX:Soybean
Start	3260	End	3643
GI	none	Score	84
Exons	3260..3511, 3518..3643		

Seq. No.	24215	Seq. ID	OJ990524_03.0103.C12
Gene No.	50371	Strand	-
Start	120	End	5845
Name	OJ990524_03.0103.C12.o2.tw	Method	TBLASTX:Wheat
Start	3359	End	3785
GI	none	Score	62
Exons	3359..3532, 3360..3503, 3540..3785, 3542..3778		

Seq. No.	24215	Seq. ID	OJ990524_03.0103.C12
Gene No.	50371	Strand	-

Start	120	End	5845
Name	OJ990524_03.0103.C12.o1.tm	Method	TBLASTX:Maize
Start	3799	End	4189
GI	none	Score	84
Exons	3799..3837, 3842..3916, 3935..4030, 4048..4188, 4055..4189		

Seq. No.	24215	Seq. ID	OJ990524_03.0103.C12
Gene No.	50371	Strand	-
Start	120	End	5845
Name	OJ990524_03.0103.C12.o1.ts	Method	TBLASTX:Soybean
Start	3857	End	4264
GI	none	Score	98
Exons	3857..4033, 4048..4263, 4097..4264		

Seq. No.	24215	Seq. ID	OJ990524_03.0103.C12
Gene No.	50371	Strand	-
Start	120	End	5845
Name	OJ990524_03.0103.C12.o1.tw	Method	TBLASTX:Wheat
Start	3912	End	4273
GI	none	Score	79
Exons	3912..4043, 3914..4030, 4048..4272, 4054..4236, 4067..4273		

Seq. No.	24216	Seq. ID	OJ990524_03.0103.C13
Gene No.	50372	Strand	+
Start	1	End	1882
Name	OJ990524_03.0103.C13.o1.np	Method	AAT/NAP
Start	1	End	1877
GI	4567304	Score	907
Exons	1..236, 370..576, 659..832, 992..1189, 1280..1388, 1550..1790, 1827..1877		
GI Descrip.	(AC005956) unknown protein [Arabidopsis thaliana]		

Seq. No.	24216	Seq. ID	OJ990524_03.0103.C13
Gene No.	50372	Strand	+
Start	1	End	1882
Name	OJ990524_03.0103.C13.o2.tm	Method	TBLASTX:Maize
Start	52	End	489
GI	none	Score	182
Exons	52..246, 54..236, 91..237, 354..470, 364..489, 368..457, 369..485		

Seq. No.	24216	Seq. ID	OJ990524_03.0103.C13
Gene No.	50372	Strand	+
Start	1	End	1882
Name	OJ990524_03.0103.C13.o1.gs	Method	GENSCAN
Start	60	End	1827
GI	none	Score	.89
Exons	60..236, 370..576, 659..832, 992..1189, 1280..1393, 1548..1827		

Seq. No.	24216	Seq. ID	OJ990524_03.0103.C13
Gene No.	50372	Strand	+
Start	1	End	1882
Name	OJ990524_03.0103.C13.o1.ts	Method	TBLASTX:Soybean
Start	134	End	769
GI	none	Score	153
Exons	134..235, 135..236, 139..237, 147..236, 175..261, 367..390, 397..579, 422..577, 423..578, 658..768, 659..769		

Seq. No.	24216	Seq. ID	OJ990524_03.0103.C13
Gene No.	50372	Strand	+
Start	1	End	1882
Name	OJ990524_03.0103.C13.o1.tc	Method	TBLASTX:Cress
Start	138	End	1159
GI	none	Score	140
Exons	138..239, 141..236, 143..238, 407..505, 409..513, 423..515, 436..579, 516..578, 658..828, 659..835, 992..1033, 1109..1159		

Seq. No.	24216	Seq. ID	OJ990524_03.0103.C13
Gene No.	50372	Strand	+
Start	1	End	1882
Name	OJ990524_03.0103.C13.o1.tm	Method	TBLASTX:Maize
Start	492	End	1398
GI	none	Score	97
Exons	492..578, 493..579, 501..578, 655..831, 657..830, 658..831, 659..835, 991..1035, 992..1132, 1056..1190, 1067..1192, 1109..1195, 1122..1214, 1278..1391, 1279..1398, 1280..1393		

Seq. No.	24216	Seq. ID	OJ990524_03.0103.C13
Gene No.	50372	Strand	+
Start	1	End	1882
Name	OJ990524_03.0103.C13.o2.ts	Method	TBLASTX:Soybean
Start	770	End	1874
GI	none	Score	102
Exons	770..835, 772..834, 992..1093, 999..1094, 1070..1192, 1109..1195, 1279..1392, 1280..1393, 1304..1393, 1542..1682, 1545..1775, 1694..1774, 1776..1835, 1827..1874		

Seq. No.	24216	Seq. ID	OJ990524_03.0103.C13
Gene No.	50372	Strand	+
Start	1	End	1882
Name	OJ990524_03.0103.C13.o1.gp	Method	AAT/GAP
Start	1313	End	1882
GI	700724	Score	772
Exons	1313..1393, 1548..1882		
GI Descrip.	4567304/gb|AAD23715.1|AC005956_4 4.0e-21 (AC005956) unknown protein [Arabidopsis thaliana]		

Seq. No.	24216	Seq. ID	OJ990524_03.0103.C13
Gene No.	50372	Strand	+
Start	1	End	1882
Name	OJ990524_03.0103.C13.o3.tm	Method	TBLASTX:Maize
Start	1713	End	1877
GI	none	Score	190
Exons	1713..1877, 1715..1876		

Seq. No.	24217	Seq. ID	OJ990524_03.0103.C14
Gene No.	50373	Strand	+
Start	245	End	2547
Name	OJ990524_03.0103.C14.o1.gp	Method	AAT/GAP
Start	245	End	647
GI	uC-osrocyp027f12b1	Score	767
Exons	245..647		
GI Descrip.	'4567304/gb|AAD23715.1|AC005956_4 4.0e-21 (AC005956) unknown protein [Arabidopsis thaliana]'		

Seq. No.	24217	Seq. ID	OJ990524_03.0103.C14
Gene No.	50373	Strand	+
Start	245	End	2547
Name	OJ990524_03.0103.C14.o1.gs	Method	GENSCAN
Start	417	End	2438
GI	none	Score	.65
Exons	417..540, 817..986, 2173..2203, 2330..2438		

Seq. No.	24217	Seq. ID	OJ990524_03.0103.C14
Gene No.	50373	Strand	+
Start	245	End	2547
Name	OJ990524_03.0103.C14.o2.gp	Method	AAT/GAP
Start	1060	End	1715
GI	LIB3432-032-P2-K1-F5	Score	1239
Exons	1060..1715		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	24217	Seq. ID	OJ990524_03.0103.C14
Gene No.	50373	Strand	+
Start	245	End	2547
Name	OJ990524_03.0103.C14.o3.gp	Method	AAT/GAP
Start	2134	End	2547
GI	uC-osrocyp027f12a1	Score	576
Exons	2134..2230, 2330..2547		
GI Descrip.	'4567304/gb|AAD23715.1|AC005956_4 4.0e-21 (AC005956) unknown protein [Arabidopsis thaliana]'		

Seq. No.	24218	Seq. ID	OJ990524_03.0103.C15
Gene No.	50374	Strand	-
Start	840	End	1415
Name	OJ990524_03.0103.C15.o1.gs	Method	GENSCAN
Start	840	End	1415
GI	none	Score	.72
Exons	840..1415		

Seq. No.	24219	Seq. ID	OJ990524_03.0103.C17
Gene No.	50375	Strand	-
Start	45	End	1477
Name	OJ990524_03.0103.C17.o1.gs	Method	GENSCAN
Start	45	End	1477
GI	none	Score	.45
Exons	45..146, 342..452, 1366..1477		

Seq. No.	24219	Seq. ID	OJ990524_03.0103.C17
Gene No.	50376	Strand	-
Start	2941	End	4322
Name	OJ990524_03.0103.C17.o2.gs	Method	GENSCAN
Start	2941	End	4308
GI	none	Score	1
Exons	2941..4308		

Seq. No.	24219	Seq. ID	OJ990524_03.0103.C17
Gene No.	50376	Strand	-
Start	2941	End	4322
Name	OJ990524_03.0103.C17.o1.np	Method	AAT/NAP

Start	2944	End	4322
GI	4836928	Score	779
Exons	2944..3444, 3484..3542, 3654..4322		
GI Descrip.	(AC006085) Similar to protein kinases [Arabidopsis thaliana]		

Seq. No.	24219	Seq. ID	OJ990524_03.0103.C17
Gene No.	50376	Strand	-
Start	2941	End	4322
Name	OJ990524_03.0103.C17.o1.tm	Method	TBLASTX:Maize
Start	3079	End	3427
GI	none	Score	167
Exons	3079..3426, 3088..3267, 3095..3427		

Seq. No.	24219	Seq. ID	OJ990524_03.0103.C17
Gene No.	50376	Strand	-
Start	2941	End	4322
Name	OJ990524_03.0103.C17.o1.ts	Method	TBLASTX:Soybean
Start	3079	End	3891
GI	none	Score	228
Exons	3079..3213, 3244..3438, 3266..3439, 3496..3543, 3503..3541, 3775..3891, 3776..3868		

Seq. No.	24219	Seq. ID	OJ990524_03.0103.C17
Gene No.	50376	Strand	-
Start	2941	End	4322
Name	OJ990524_03.0103.C17.o1.tc	Method	TBLASTX:Cress
Start	3082	End	4083
GI	none	Score	119
Exons	3082..3204, 3244..3435, 3269..3433, 3784..4083, 3785..3868, 3914..3988		

Seq. No.	24219	Seq. ID	OJ990524_03.0103.C17
Gene No.	50376	Strand	-
Start	2941	End	4322
Name	OJ990524_03.0103.C17.o1.tw	Method	TBLASTX:Wheat
Start	3094	End	3405
GI	none	Score	44
Exons	3094..3207, 3094..3207, 3244..3405, 3263..3400		

Seq. No.	24219	Seq. ID	OJ990524_03.0103.C17
Gene No.	50376	Strand	-
Start	2941	End	4322
Name	OJ990524_03.0103.C17.o2.tm	Method	TBLASTX:Maize
Start	3817	End	4248
GI	none	Score	257
Exons	3817..4086, 3818..4108, 4135..4164, 4207..4248		

Seq. No.	24220	Seq. ID	OJ990524_03.0103.C18
Gene No.	50377	Strand	+
Start	648	End	3317
Name	OJ990524_03.0103.C18.o1.gs	Method	GENSCAN
Start	648	End	3317
GI	none	Score	.56
Exons	648..750, 3236..3317		

Seq. No.	24221	Seq. ID	OJ990524_03.0103.C19
Gene No.	50378	Strand	+

Start	1873	End	2425
Name	OJ990524_03.0103.C19.o1.gs	Method	GENSCAN
Start	1873	End	2425
GI	none	Score	.47
Exons	1873..2184, 2363..2425		

Seq. No.	24221	Seq. ID	OJ990524_03.0103.C19
Gene No.	50379	Strand	-
Start	3730	End	4342
Name	OJ990524_03.0103.C19.o1.gp	Method	AAT/GAP
Start	3481	End	4342
GI	15476_3.R1084	Score	1668
Exons	3481..4342		
GI Descrip.	'169363 5.0e-25 (M75856) PVPR3 [Phaseolus vulgaris]'		

Seq. No.	24221	Seq. ID	OJ990524_03.0103.C19
Gene No.	50379	Strand	-
Start	3730	End	4342
Name	OJ990524_03.0103.C19.o1.tm	Method	TBLASTX:Maize
Start	3482	End	3927
GI	none	Score	69
Exons	3482..3505, 3545..3622, 3597..3653, 3729..3767, 3730..3927, 3815..3916		

Seq. No.	24221	Seq. ID	OJ990524_03.0103.C19
Gene No.	50379	Strand	-
Start	3730	End	4342
Name	OJ990524_03.0103.C19.o1.tw	Method	TBLASTX:Wheat
Start	3594	End	4189
GI	none	Score	206
Exons	3594..3758, 3651..3677, 3674..3790, 3721..3927, 3731..3922, 4132..4188, 4133..4189		

Seq. No.	24221	Seq. ID	OJ990524_03.0103.C19
Gene No.	50379	Strand	-
Start	3730	End	4342
Name	OJ990524_03.0103.C19.o1.tc	Method	TBLASTX:Cress
Start	3727	End	3922
GI	none	Score	109
Exons	3727..3921, 3824..3922		

Seq. No.	24221	Seq. ID	OJ990524_03.0103.C19
Gene No.	50379	Strand	-
Start	3730	End	4342
Name	OJ990524_03.0103.C19.o1.ts	Method	TBLASTX:Soybean
Start	3727	End	4171
GI	none	Score	137
Exons	3727..3921, 3815..3922, 4076..4171, 4099..4170		

Seq. No.	24221	Seq. ID	OJ990524_03.0103.C19
Gene No.	50379	Strand	-
Start	3730	End	4342
Name	OJ990524_03.0103.C19.o2.gs	Method	GENSCAN
Start	3730	End	4224
GI	none	Score	1
Exons	3730..4224		

Seq. No.	24221	Seq. ID	OJ990524_03.0103.C19
Gene No.	50379	Strand	-
Start	3730	End	4342
Name	OJ990524_03.0103.C19.o1.np	Method	AAT/NAP
Start	3733	End	4224
GI	169363	Score	288
Exons	3733..4093, 4163..4224		
GI Descrip.	(M75856) PVPR3 [Phaseolus vulgaris]		

Seq. No.	24221	Seq. ID	OJ990524_03.0103.C19
Gene No.	50379	Strand	-
Start	3730	End	4342
Name	OJ990524_03.0103.C19.o2.tm	Method	TBLASTX:Maize
Start	4088	End	4276
GI	none	Score	159
Exons	4088..4276, 4099..4224, 4133..4234		

Seq. No.	24222	Seq. ID	OJ990524_03.0103.C20
Gene No.	50380	Strand	+
Start	6435	End	8047
Name	OJ990524_03.0103.C20.o1.gp	Method	AAT/GAP
Start	6346	End	8047
GI	518_1.R1084	Score	1558
Exons	6346..6797, 6912..7034, 7768..8047		
GI Descrip.	'2058273/dbj|BAA19798| 2.0e-95 (D83527) YK426 [Oryza sativa]'		

Seq. No.	24222	Seq. ID	OJ990524_03.0103.C20
Gene No.	50380	Strand	+
Start	6435	End	8047
Name	OJ990524_03.0103.C20.o1.np	Method	AAT/NAP
Start	6435	End	7851
GI	6174959	Score	893
Exons	6435..6797, 6912..7034, 7768..7851		
GI Descrip.	60S RIBOSOMAL PROTEIN L9 gi|2058273|dbj|BAA19798| (D83527) YK426 [Oryza sativa]		

Seq. No.	24222	Seq. ID	OJ990524_03.0103.C20
Gene No.	50380	Strand	+
Start	6435	End	8047
Name	OJ990524_03.0103.C20.o3.gs	Method	GENSCAN
Start	6435	End	7854
GI	none	Score	.96
Exons	6435..6797, 6912..7034, 7768..7854		

Seq. No.	24222	Seq. ID	OJ990524_03.0103.C20
Gene No.	50381	Strand	-
Start	1758	End	11187
Name	OJ990524_03.0103.C20.o2.gs	Method	GENSCAN
Start	1758	End	5923
GI	none	Score	.71
Exons	1758..1852, 2418..2867, 3542..3686, 4647..4760, 4928..5009, 5454..5923		

Seq. No.	24222	Seq. ID	OJ990524_03.0103.C20
Gene No.	50381	Strand	-
Start	1758	End	11187
Name	OJ990524_03.0103.C20.o3.tm	Method	TBLASTX:Maize

Start	5363	End	5588
GI	none	Score	125
Exons	5363..5506, 5390..5506, 5403..5519, 5454..5588, 5504..5587		

Seq. No.	24222	Seq. ID	OJ990524_03.0103.C20
Gene No.	50381	Strand	-
Start	1758	End	11187
Name	OJ990524_03.0103.C20.o2.np	Method	AAT/NAP
Start	5416	End	9220
GI	6721547	Score	71
Exons	5416..5435, 9125..9220		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	24222	Seq. ID	OJ990524_03.0103.C20
Gene No.	50381	Strand	-
Start	1758	End	11187
Name	OJ990524_03.0103.C20.o2.tm	Method	TBLASTX:Maize
Start	5624	End	5930
GI	none	Score	35
Exons	5624..5680, 5663..5680, 5747..5827, 5748..5828, 5822..5929, 5823..5930		

Seq. No.	24222	Seq. ID	OJ990524_03.0103.C20
Gene No.	50381	Strand	-
Start	1758	End	11187
Name	OJ990524_03.0103.C20.o1.tm	Method	TBLASTX:Maize
Start	6425	End	7856
GI	none	Score	41
Exons	6425..6817, 6428..6454, 6441..6803, 6909..7034, 6911..7033, 7750..7848, 7761..7853, 7765..7848, 7767..7856		

Seq. No.	24222	Seq. ID	OJ990524_03.0103.C20
Gene No.	50381	Strand	-
Start	1758	End	11187
Name	OJ990524_03.0103.C20.o1.tc	Method	TBLASTX:Cress
Start	6428	End	7865
GI	none	Score	139
Exons	6428..6574, 6441..6581, 6575..6805, 6582..6803, 6909..7034, 6911..7033, 7761..7862, 7765..7863, 7767..7865		

Seq. No.	24222	Seq. ID	OJ990524_03.0103.C20
Gene No.	50381	Strand	-
Start	1758	End	11187
Name	OJ990524_03.0103.C20.o1.ts	Method	TBLASTX:Soybean
Start	6428	End	7848
GI	none	Score	139
Exons	6428..6568, 6441..6578, 6572..6817, 6582..6803, 6909..7034, 6911..7033, 7761..7847, 7765..7848		

Seq. No.	24222	Seq. ID	OJ990524_03.0103.C20
Gene No.	50381	Strand	-
Start	1758	End	11187
Name	OJ990524_03.0103.C20.o1.tw	Method	TBLASTX:Wheat
Start	6443	End	7975
GI	none	Score	300
Exons	6443..6679, 6444..6680, 6677..6817, 6678..6803, 6909..7034, 6909..6953, 6911..7033, 7761..7847, 7765..7848, 7860..7964,		

7890..7949, 7928..7975

Seq. No.	24222	Seq. ID	OJ990524_03.0103.C20
Gene No.	50381	Strand	-
Start	1758	End	11187
Name	OJ990524_03.0103.C20.o4.gs	Method	GENSCAN
Start	8426	End	11187
GI	none	Score	.97
Exons	8426..8655, 10908..11187		

Seq. No.	24222	Seq. ID	OJ990524_03.0103.C20
Gene No.	50381	Strand	-
Start	1758	End	11187
Name	OJ990524_03.0103.C20.o4.tm	Method	TBLASTX:Maize
Start	8525	End	8650
GI	none	Score	151
Exons	8525..8650, 8526..8648		

Seq. No.	24223	Seq. ID	OJ990524_03.0103.C22
Gene No.	50382	Strand	+
Start	1124	End	1199
Name	OJ990524_03.0103.C22.o1.gs	Method	GENSCAN
Start	1124	End	1199
GI	none	Score	.45
Exons	1124..1199		

Seq. No.	24223	Seq. ID	OJ990524_03.0103.C22
Gene No.	50383	Strand	
Start	1476	End	1620
Name	OJ990524_03.0103.C22.o1.tm	Method	TBLASTX:Maize
Start	1476	End	1620
GI	none	Score	221
Exons	1476..1619, 1476..1619, 1477..1620, 1480..1620		

Seq. No.	24224	Seq. ID	OJ990524_03.0103.C23
Gene No.	50384	Strand	+
Start	1876	End	2481
Name	OJ990524_03.0103.C23.o1.gs	Method	GENSCAN
Start	1876	End	2481
GI	none	Score	.41
Exons	1876..1944, 1995..2019, 2194..2209, 2334..2481		

Seq. No.	24225	Seq. ID	OJ990524_03.0103.C27
Gene No.	50385	Strand	-
Start	44	End	280
Name	OJ990524_03.0103.C27.o1.tm	Method	TBLASTX:Maize
Start	6	End	228
GI	none	Score	85
Exons	6..83, 6..89, 7..210, 84..134, 132..209, 157..228, 162..221		

Seq. No.	24225	Seq. ID	OJ990524_03.0103.C27
Gene No.	50385	Strand	-
Start	44	End	280
Name	OJ990524_03.0103.C27.o1.gp	Method	AAT/GAP
Start	44	End	280
GI	1632104	Score	417
Exons	44..280		

Seq. No.	24225	Seq. ID	OJ990524_03.0103.C27
Gene No.	50385	Strand	-
Start	44	End	280
Name	OJ990524_03.0103.C27.o1.gs	Method	GENSCAN
Start	46	End	206
GI	none	Score	.77
Exons	46..206		

Seq. No.	24226	Seq. ID	OJ990524_03.0103.C28
Gene No.	50386	Strand	+
Start	8	End	362
Name	OJ990524_03.0103.C28.o1.gs	Method	GENSCAN
Start	8	End	362
GI	none	Score	.52
Exons	8..220, 240..362		

Seq. No.	24227	Seq. ID	OJ990524_03.0103.C34
Gene No.	50387	Strand	-
Start	2371	End	3805
Name	OJ990524_03.0103.C34.o1.tm	Method	TBLASTX:Maize
Start	2027	End	2622
GI	none	Score	36
Exons	2027..2116, 2157..2228, 2198..2299, 2208..2237, 2293..2334, 2341..2622, 2342..2557		

Seq. No.	24227	Seq. ID	OJ990524_03.0103.C34
Gene No.	50387	Strand	-
Start	2371	End	3805
Name	OJ990524_03.0103.C34.o1.gp	Method	AAT/GAP
Start	2175	End	2783
GI	48743_1.R1084	Score	1210
Exons	2175..2783		
GI Descrip.	'4678268/emb|CAB41176.1| 1.0e-34 (AL049660) putative protein [Arabidopsis thaliana]'		

Seq. No.	24227	Seq. ID	OJ990524_03.0103.C34
Gene No.	50387	Strand	-
Start	2371	End	3805
Name	OJ990524_03.0103.C34.o1.tc	Method	TBLASTX:Cress
Start	2359	End	2622
GI	none	Score	159
Exons	2359..2622, 2393..2557		

Seq. No.	24227	Seq. ID	OJ990524_03.0103.C34
Gene No.	50387	Strand	-
Start	2371	End	3805
Name	OJ990524_03.0103.C34.o1.gs	Method	GENSCAN
Start	2371	End	2724
GI	none	Score	.86
Exons	2371..2724		

Seq. No.	24227	Seq. ID	OJ990524_03.0103.C34
Gene No.	50387	Strand	-
Start	2371	End	3805
Name	OJ990524_03.0103.C34.o1.np	Method	AAT/NAP
Start	2374	End	3805

GI	4678268	Score	344
Exons	2374..2634, 3633..3805		
GI Descrip.	(AL049660) putative protein [Arabidopsis thaliana]		

Seq. No.	24227	Seq. ID	OJ990524_03.0103.C34
Gene No.	50387	Strand	-
Start	2371	End	3805
Name	OJ990524_03.0103.C34.o1.tw	Method	TBLASTX:Wheat
Start	2392	End	2622
GI	none	Score	262
Exons	2392..2622, 2396..2557		

Seq. No.	24227	Seq. ID	OJ990524_03.0103.C34
Gene No.	50387	Strand	-
Start	2371	End	3805
Name	OJ990524_03.0103.C34.o1.ts	Method	TBLASTX:Soybean
Start	2410	End	2623
GI	none	Score	183
Exons	2410..2622, 2414..2623		

Seq. No.	24228	Seq. ID	OJ990524_03.0103.C35
Gene No.	50388	Strand	+
Start	5880	End	7693
Name	OJ990524_03.0103.C35.o3.np	Method	AAT/NAP
Start	5880	End	7686
GI	6729524	Score	387
Exons	5880..6268, 6359..6478, 6619..6698, 6837..6877, 6975..7073, 7518..7686		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	24228	Seq. ID	OJ990524_03.0103.C35
Gene No.	50388	Strand	+
Start	5880	End	7693
Name	OJ990524_03.0103.C35.o1.gp	Method	AAT/GAP
Start	6975	End	7693
GI	969014	Score	387
Exons	6975..7073, 7518..7693		

Seq. No.	24228	Seq. ID	OJ990524_03.0103.C35
Gene No.	50389	Strand	-
Start	1	End	2551
Name	OJ990524_03.0103.C35.o1.np	Method	AAT/NAP
Start	1	End	2551
GI	4678268	Score	1303
Exons	1..24, 574..1088, 1443..1774, 1998..2551		
GI Descrip.	(AL049660) putative protein [Arabidopsis thaliana]		

Seq. No.	24228	Seq. ID	OJ990524_03.0103.C35
Gene No.	50389	Strand	-
Start	1	End	2551
Name	OJ990524_03.0103.C35.o1.gs	Method	GENSCAN
Start	598	End	2548
GI	none	Score	.78
Exons	598..657, 721..1088, 1443..1774, 1998..2548		

Seq. No.	24228	Seq. ID	OJ990524_03.0103.C35
Gene No.	50389	Strand	-

Start	1	End	2551
Name	OJ990524_03.0103.C35.o1.tm	Method	TBLASTX:Maize
Start	607	End	991
GI	none	Score	512
Exons	607..990, 608..988, 608..991		

Seq. No.	24228	Seq. ID	OJ990524_03.0103.C35
Gene No.	50389	Strand	-
Start	1	End	2551
Name	OJ990524_03.0103.C35.o1.ts	Method	TBLASTX:Soybean
Start	679	End	1069
GI	none	Score	303
Exons	679..1068, 698..1069, 704..1069		

Seq. No.	24228	Seq. ID	OJ990524_03.0103.C35
Gene No.	50389	Strand	-
Start	1	End	2551
Name	OJ990524_03.0103.C35.o2.tm	Method	TBLASTX:Maize
Start	1020	End	1784
GI	none	Score	63
Exons	1020..1091, 1441..1467, 1442..1468, 1442..1468, 1452..1589, 1462..1659, 1474..1773, 1475..1765, 1475..1780, 1704..1784		

Seq. No.	24228	Seq. ID	OJ990524_03.0103.C35
Gene No.	50389	Strand	-
Start	1	End	2551
Name	OJ990524_03.0103.C35.o3.ts	Method	TBLASTX:Soybean
Start	2180	End	2368
GI	none	Score	143
Exons	2180..2368, 2181..2339		

Seq. No.	24228	Seq. ID	OJ990524_03.0103.C35
Gene No.	50389	Strand	-
Start	1	End	2551
Name	OJ990524_03.0103.C35.o4.tm	Method	TBLASTX:Maize
Start	2207	End	2371
GI	none	Score	202
Exons	2207..2371, 2208..2339, 2219..2344		

Seq. No.	24228	Seq. ID	OJ990524_03.0103.C35
Gene No.	50390	Strand	
Start	6006	End	7742
Name	OJ990524_03.0103.C35.o3.tm	Method	TBLASTX:Maize
Start	6006	End	7742
GI	none	Score	111
Exons	6006..6173, 6040..6174, 6182..6298, 6182..6259, 6316..6477, 6346..6480, 6351..6479, 6576..6647, 6578..6640, 6580..6672, 6834..6884, 6836..6901, 6837..6878, 6974..7072, 6975..7070, 6976..7074, 7504..7689, 7508..7723, 7518..7742, 7653..7721		

Seq. No.	24228	Seq. ID	OJ990524_03.0103.C35
Gene No.	50390	Strand	
Start	6006	End	7742
Name	OJ990524_03.0103.C35.o2.ts	Method	TBLASTX:Soybean
Start	7495	End	7704
GI	none	Score	246
Exons	7495..7704, 7509..7703		

Seq. No.	24228	Seq. ID	OJ990524_03.0103.C35
Gene No.	50390	Strand	
Start	6006	End	7742
Name	OJ990524_03.0103.C35.o1.tc	Method	TBLASTX:Cress
Start	7518	End	7650
GI	none	Score	200
Exons	7518..7649, 7519..7650		

Seq. No.	24229	Seq. ID	OJ990524_03.0103.C36
Gene No.	50391	Strand	-
Start	93	End	189
Name	OJ990524_03.0103.C36.o1.gs	Method	GENSCAN
Start	93	End	189
GI	none	Score	.61
Exons	93..189		

Seq. No.	24230	Seq. ID	OJ990524_03.0103.C37
Gene No.	50392	Strand	+
Start	287	End	1457
Name	OJ990524_03.0103.C37.o1.gs	Method	GENSCAN
Start	287	End	1457
GI	none	Score	.72
Exons	287..358, 380..479, 995..1085, 1331..1457		

Seq. No.	24230	Seq. ID	OJ990524_03.0103.C37
Gene No.	50393	Strand	-
Start	1719	End	2198
Name	OJ990524_03.0103.C37.o2.gs	Method	GENSCAN
Start	1719	End	2186
GI	none	Score	.5
Exons	1719..2186		

Seq. No.	24230	Seq. ID	OJ990524_03.0103.C37
Gene No.	50393	Strand	-
Start	1719	End	2198
Name	OJ990524_03.0103.C37.o1.np	Method	AAT/NAP
Start	1734	End	2198
GI	4678280	Score	670
Exons	1734..2198		
GI Descrip.	(AL049660) zinc finger-like protein [Arabidopsis thaliana]		

Seq. No.	24230	Seq. ID	OJ990524_03.0103.C37
Gene No.	50393	Strand	-
Start	1719	End	2198
Name	OJ990524_03.0103.C37.o1.ts	Method	TBLASTX:Soybean
Start	1852	End	2196
GI	none	Score	371
Exons	1852..1920, 1857..2195, 1858..2196		

Seq. No.	24230	Seq. ID	OJ990524_03.0103.C37
Gene No.	50393	Strand	-
Start	1719	End	2198
Name	OJ990524_03.0103.C37.o1.tm	Method	TBLASTX:Maize
Start	2034	End	2198
GI	none	Score	257
Exons	2034..2198, 2035..2196		

Seq. No.	24231	Seq. ID	OJ990524_03.0103.C38
Gene No.	50394	Strand	-
Start	751	End	2264
Name	OJ990524_03.0103.C38.o1.np	Method	AAT/NAP
Start	414	End	2221
GI	4678280	Score	243
Exons	414..443, 1851..2221		
GI Descrip.	(AL049660) zinc finger-like protein [Arabidopsis thaliana]		

Seq. No.	24231	Seq. ID	OJ990524_03.0103.C38
Gene No.	50394	Strand	-
Start	751	End	2264
Name	OJ990524_03.0103.C38.o1.gs	Method	GENSCAN
Start	751	End	2264
GI	none	Score	.95
Exons	751..765, 1860..2264		

Seq. No.	24231	Seq. ID	OJ990524_03.0103.C38
Gene No.	50394	Strand	-
Start	751	End	2264
Name	OJ990524_03.0103.C38.o1.tm	Method	TBLASTX:Maize
Start	1857	End	1980
GI	none	Score	127
Exons	1857..1979, 1860..1979, 1861..1980		

Seq. No.	24231	Seq. ID	OJ990524_03.0103.C38
Gene No.	50394	Strand	-
Start	751	End	2264
Name	OJ990524_03.0103.C38.o1.ts	Method	TBLASTX:Soybean
Start	1857	End	1973
GI	none	Score	144
Exons	1857..1973, 1861..1965		

Seq. No.	24232	Seq. ID	OJ990524_03.0103.C39
Gene No.	50395	Strand	-
Start	282	End	540
Name	OJ990524_03.0103.C39.o1.gs	Method	GENSCAN
Start	282	End	540
GI	none	Score	.72
Exons	282..347, 409..540		

Seq. No.	24233	Seq. ID	OJ990824_03.0105.C3
Gene No.	50396	Strand	+
Start	1616	End	1795
Name	OJ990824_03.0105.C3.o1.gs	Method	GENSCAN
Start	1616	End	1795
GI	none	Score	.49
Exons	1616..1795		

Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50397	Strand	+
Start	1	End	13205
Name	OJ990824_03.0105.C4.o1.np	Method	AAT/NAP
Start	1	End	3606
GI	3236261	Score	522
Exons	1..26, 1724..1800, 1881..1996, 3095..3448, 3503..3606		

GI Descrip.	(AC004684) putative RING zinc finger protein [Arabidopsis thaliana]		
Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50397	Strand	+
Start	1	End	13205
Name	OJ990824_03.0105.C4.o1.gs	Method	GENSCAN
Start	1289	End	8698
GI	none	Score	.63
Exons	1289..1364, 3095..3590, 4128..4391, 5869..5942, 7239..8698		
Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50397	Strand	+
Start	1	End	13205
Name	OJ990824_03.0105.C4.o1.gp	Method	AAT/GAP
Start	1508	End	3302
GI	2310863	Score	661
Exons	1508..1539, 1711..1800, 1881..1996, 3095..3302		
GI Descrip.	3236261 5.0e-46 (AC004684) putative zinc finger protein [Arabidopsis thaliana]		
Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50397	Strand	+
Start	1	End	13205
Name	OJ990824_03.0105.C4.o2.np	Method	AAT/NAP
Start	4178	End	10575
GI	2119719	Score	1903
Exons	4178..4391, 7239..8744, 10546..10575		
GI Descrip.	heat-shock cognate protein 70-3 - tomato gi|762844 (L41253) Hsc70 [Lycopersicon esculentum]		
Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50397	Strand	+
Start	1	End	13205
Name	OJ990824_03.0105.C4.o2.gs	Method	GENSCAN
Start	10310	End	13205
GI	none	Score	.71
Exons	10310..10496, 10571..10610, 10853..11022, 11066..11312, 11337..11398, 11687..11773, 12196..12373, 12498..12580, 12715..12815, 12990..13205		
Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50397	Strand	+
Start	1	End	13205
Name	OJ990824_03.0105.C4.o3.np	Method	AAT/NAP
Start	11693	End	13202
GI	6223647	Score	317
Exons	11693..11773, 11883..11936, 12189..12334, 12453..12580, 12715..12815, 12990..13202		
GI Descrip.	(AC011698) unknown protein [Arabidopsis thaliana]		
Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50398	Strand	-
Start	9039	End	10752
Name	OJ990824_03.0105.C4.o4.tm	Method	TBLASTX:Maize
Start	1723	End	3258
GI	none	Score	139

Exons 1723..1803, 1724..1801, 1724..1804, 1725..1802, 1726..1803, 1881..1997, 1882..1998, 1882..1998, 3086..3187, 3093..3194, 3094..3198, 3097..3195, 3180..3257, 3199..3258

Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50398	Strand	-
Start	9039	End	10752
Name	OJ990824_03.0105.C4.o2.ts	Method	TBLASTX:Soybean
Start	1724	End	3609
GI	none	Score	123

Exons 1724..1801, 1724..1795, 1882..2046, 1890..2006, 3089..3202, 3093..3608, 3094..3609

Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50398	Strand	-
Start	9039	End	10752
Name	OJ990824_03.0105.C4.o2.tw	Method	TBLASTX:Wheat
Start	1724	End	3249
GI	none	Score	136

Exons 1724..1801, 1724..1804, 1882..1998, 1882..1998, 1887..2000, 3087..3236, 3094..3249, 3097..3249

Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50398	Strand	-
Start	9039	End	10752
Name	OJ990824_03.0105.C4.o2.tc	Method	TBLASTX:Cress
Start	3181	End	3498
GI	none	Score	179

Exons 3181..3357, 3186..3356, 3364..3498, 3385..3462

Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50398	Strand	-
Start	9039	End	10752
Name	OJ990824_03.0105.C4.o2.tm	Method	TBLASTX:Maize
Start	3265	End	3618
GI	none	Score	469

Exons 3265..3612, 3266..3610, 3267..3611, 3268..3618

Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50398	Strand	-
Start	9039	End	10752
Name	OJ990824_03.0105.C4.o1.tc	Method	TBLASTX:Cress
Start	4178	End	8626
GI	none	Score	276

Exons 4178..4390, 4183..4389, 4265..4390, 7237..7566, 7238..7651, 7619..7693, 7633..7737, 7696..7824, 7697..7816, 7750..8160, 7802..8227, 8015..8173, 8231..8626, 8257..8538, 8381..8575

Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50398	Strand	-
Start	9039	End	10752
Name	OJ990824_03.0105.C4.o1.ts	Method	TBLASTX:Soybean
Start	4178	End	8626
GI	none	Score	278

Exons 4178..4390, 4183..4389, 7237..7566, 7238..7651, 7607..7693, 7633..7737, 7696..7812, 7697..7816, 7795..8160, 7802..8227, 8231..8626, 8257..8538

Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50398	Strand	-
Start	9039	End	10752
Name	OJ990824_03.0105.C4.o1.tm	Method	TBLASTX:Maize
Start	4178	End	8626
GI	none	Score	281
Exons	4178..4390, 4183..4389, 4265..4390, 7237..7566, 7238..7651, 7619..7693, 7633..7737, 7696..7824, 7697..7816, 7750..8160, 7802..8227, 8015..8173, 8231..8626, 8257..8538		

Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50398	Strand	-
Start	9039	End	10752
Name	OJ990824_03.0105.C4.o1.tw	Method	TBLASTX:Wheat
Start	4180	End	8626
GI	none	Score	275
Exons	4180..4398, 4181..4390, 4353..4400, 7237..7566, 7238..7651, 7619..7693, 7630..7689, 7696..7812, 7697..7816, 7795..8160, 7802..8227, 8018..8173, 8231..8626, 8257..8538		

Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50398	Strand	-
Start	9039	End	10752
Name	OJ990824_03.0105.C4.o2.gp	Method	AAT/GAP
Start	9039	End	10752
GI	none	Score	1011
Exons	9039..9285, 9381..9564, 10646..10752		

Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50398	Strand	-
Start	9039	End	10752
Name	OJ990824_03.0105.C4.o3.tm	Method	TBLASTX:Maize
Start	9193	End	9573
GI	none	Score	86
Exons	9193..9288, 9203..9289, 9210..9290, 9220..9291, 9221..9289, 9381..9569, 9382..9573, 9402..9566, 9412..9567		

Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50398	Strand	-
Start	9039	End	10752
Name	OJ990824_03.0105.C4.o3.tc	Method	TBLASTX:Cress
Start	9381	End	9564
GI	none	Score	95
Exons	9381..9551, 9394..9564, 9402..9557		

Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50399	Strand	
Start	11705	End	13199
Name	OJ990824_03.0105.C4.o3.tw	Method	TBLASTX:Wheat
Start	11705	End	12735
GI	none	Score	85
Exons	11705..11776, 11707..11781, 11707..11763, 11882..11926, 11882..11926, 11883..11939, 12186..12374, 12186..12371, 12191..12373, 12230..12376, 12487..12591, 12498..12590, 12502..12591, 12715..12735		

Seq. No.	24234	Seq. ID	OJ990824_03.0105.C4
Gene No.	50399	Strand	
Start	11705	End	13199
Name	OJ990824_03.0105.C4.o5.tm	Method	TBLASTX:Maize
Start	12186	End	13199
GI	none	Score	142
Exons	12186..12374, 12186..12365, 12188..12373, 12482..12580, 12487..12591, 12496..12591, 12714..12728, 12732..12812, 12737..12814, 12992..13045, 13005..13061, 13077..13199, 13077..13196, 13098..13163, 13099..13179		

Seq. No.	24235	Seq. ID	OJ990824_03.0105.C5
Gene No.	50400	Strand	+
Start	1116	End	1933
Name	OJ990824_03.0105.C5.o2.gp	Method	AAT/GAP
Start	1116	End	1933
GI	360_11.R1084	Score	1495
Exons	1116..1933		
GI Descrip.	'3962377/emb|CAA05547| 1.0e-108 (AJ002551) heat shock protein 70 [Arabidopsis thaliana]'		

Seq. No.	24235	Seq. ID	OJ990824_03.0105.C5
Gene No.	50401	Strand	-
Start	22	End	1949
Name	OJ990824_03.0105.C5.o1.gp	Method	AAT/GAP
Start	22	End	504
GI	421_5.R1084	Score	962
Exons	22..504		
GI Descrip.	'861170/emb|CAA27330| 2.0e-28 (X03697) heat shock protein 70 [Zea mays]'		

Seq. No.	24235	Seq. ID	OJ990824_03.0105.C5
Gene No.	50401	Strand	-
Start	22	End	1949
Name	OJ990824_03.0105.C5.o1.tc	Method	TBLASTX:Cress
Start	37	End	1949
GI	none	Score	37
Exons	37..93, 185..229, 236..286, 308..1948, 309..338, 420..758, 686..832, 819..1949		

Seq. No.	24235	Seq. ID	OJ990824_03.0105.C5
Gene No.	50401	Strand	-
Start	22	End	1949
Name	OJ990824_03.0105.C5.o1.tw	Method	TBLASTX:Wheat
Start	111	End	1949
GI	none	Score	42
Exons	111..146, 203..259, 211..315, 221..337, 308..1948, 309..761, 686..832, 819..1949		

Seq. No.	24235	Seq. ID	OJ990824_03.0105.C5
Gene No.	50401	Strand	-
Start	22	End	1949
Name	OJ990824_03.0105.C5.o1.ts	Method	TBLASTX:Soybean
Start	179	End	1949
GI	none	Score	75
Exons	179..229, 239..343, 244..315, 308..1948, 420..761, 686..832, 819..1949		

Seq. No.	24235	Seq. ID	OJ990824_03.0105.C5
Gene No.	50401	Strand	-
Start	22	End	1949
Name	OJ990824_03.0105.C5.o1.tm	Method	TBLASTX:Maize
Start	203	End	1949
GI	none	Score	49
Exons	203..259, 208..264, 242..343, 819..1949	308..1948, 309..761, 686..829,	

Seq. No.	24235	Seq. ID	OJ990824_03.0105.C5
Gene No.	50401	Strand	-
Start	22	End	1949
Name	OJ990824_03.0105.C5.o1.gs	Method	GENSCAN
Start	209	End	1947
GI	none	Score	1
Exons	209..1947		

Seq. No.	24235	Seq. ID	OJ990824_03.0105.C5
Gene No.	50401	Strand	-
Start	22	End	1949
Name	OJ990824_03.0105.C5.o1.np	Method	AAT/NAP
Start	212	End	1949
GI	1076746	Score	2721
Exons	212..1949		
GI Descrip.	heat shock protein 70 - rice (fragment) gi|763160|emb|CAA47948| (X67711) heat shock protein 70 [Oryza sativa]		

Seq. No.	24236	Seq. ID	OJ990824_03.0105.C6
Gene No.	50402	Strand	+
Start	62	End	1807
Name	OJ990824_03.0105.C6.o1.gs	Method	GENSCAN
Start	62	End	1807
GI	none	Score	.77
Exons	62..203, 594..628, 1709..1807		

Seq. No.	24236	Seq. ID	OJ990824_03.0105.C6
Gene No.	50403	Strand	-
Start	1	End	96
Name	OJ990824_03.0105.C6.o1.np	Method	AAT/NAP
Start	1	End	96
GI	1076746	Score	171
Exons	1..96		
GI Descrip.	heat shock protein 70 - rice (fragment) gi|763160|emb|CAA47948| (X67711) heat shock protein 70 [Oryza sativa]		

Seq. No.	24236	Seq. ID	OJ990824_03.0105.C6
Gene No.	50404	Strand	-
Start	1	End	194
Name	OJ990824_03.0105.C6.o1.gp	Method	AAT/GAP
Start	1	End	194
GI	360_11.R1084	Score	384
Exons	1..194		
GI Descrip.	'3962377/emb|CAA05547| 1.0e-108 (AJ002551) heat shock protein 70 [Arabidopsis thaliana]'		

Seq. No.	24236	Seq. ID	OJ990824_03.0105.C6

Gene No.	50405	Strand	-
Start	2088	End	3496
Name	OJ990824_03.0105.C6.o2.gs	Method	GENSCAN
Start	2088	End	3496
GI	none	Score	.63
Exons	2088..2195, 3386..3496		

Seq. No.	24236	Seq. ID	OJ990824_03.0105.C6
Gene No.	50405	Strand	-
Start	2088	End	3496
Name	OJ990824_03.0105.C6.o2.gp	Method	AAT/GAP
Start	2869	End	3129
GI	LIB3431-010-P1-N1-F11	Score	438
Exons	2869..3129		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	24236	Seq. ID	OJ990824_03.0105.C6
Gene No.	50406	Strand	-
Start	3452	End	5436
Name	OJ990824_03.0105.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	109
GI	none	Score	117
Exons	1..108, 1..108, 2..109		

Seq. No.	24236	Seq. ID	OJ990824_03.0105.C6
Gene No.	50406	Strand	-
Start	3452	End	5436
Name	OJ990824_03.0105.C6.o1.tw	Method	TBLASTX:Wheat
Start	1	End	103
GI	none	Score	122
Exons	1..102, 1..102, 2..103		

Seq. No.	24236	Seq. ID	OJ990824_03.0105.C6
Gene No.	50406	Strand	-
Start	3452	End	5436
Name	OJ990824_03.0105.C6.o2.np	Method	AAT/NAP
Start	3452	End	5436
GI	4680502	Score	139
Exons	3452..3471, 4999..5153, 5231..5269, 5335..5436		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	24237	Seq. ID	OJ990824_03.0105.C7
Gene No.	50407	Strand	+
Start	1	End	145
Name	OJ990824_03.0105.C7.o1.gp	Method	AAT/GAP
Start	1	End	145
GI	uC-osflcyp127d01a1	Score	290
Exons	1..145		
GI Descrip.	'2130125/pir||S59853 2.0e-34 DNA-binding protein Dof3 - maize (fragment) >gi_1061308_emb_CAA56288_ (X79935) Dof3 gene [Zea mays]'		

Seq. No.	24237	Seq. ID	OJ990824_03.0105.C7
Gene No.	50408	Strand	+
Start	64	End	630
Name	OJ990824_03.0105.C7.o1.gs	Method	GENSCAN

Start	64	End	630
GI	none	Score	.61
Exons	64..630		

Seq. No.	24237	Seq. ID	OJ990824_03.0105.C7
Gene No.	50409	Strand	-
Start	3243	End	3708
Name	OJ990824_03.0105.C7.o2.gp	Method	AAT/GAP
Start	3013	End	3117
GI	LIB3477-003-P1-K1-E9	Score	117
Exons	3013..3117		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	24237	Seq. ID	OJ990824_03.0105.C7
Gene No.	50409	Strand	-
Start	3243	End	3708
Name	OJ990824_03.0105.C7.o2.gs	Method	GENSCAN
Start	3243	End	3708
GI	none	Score	.6
Exons	3243..3448, 3463..3592, 3619..3708		

Seq. No.	24238	Seq. ID	OJ990824_03.0105.C8
Gene No.	50410	Strand	-
Start	192	End	2105
Name	OJ990824_03.0105.C8.o1.np	Method	AAT/NAP
Start	192	End	2102
GI	4432855	Score	1910
Exons	192..2102		
GI Descrip.	(AC006300) unknown protein [Arabidopsis thaliana]		

Seq. No.	24238	Seq. ID	OJ990824_03.0105.C8
Gene No.	50410	Strand	-
Start	192	End	2105
Name	OJ990824_03.0105.C8.o1.tm	Method	TBLASTX:Maize
Start	297	End	2090
GI	none	Score	853
Exons	297..860, 301..870, 304..888, 389..967, 936..965, 982..1443, 1014..1439, 1032..1457, 1258..1422, 1468..1503, 1519..1581, 1521..1583, 1528..1593, 1558..2040, 1575..2090		

Seq. No.	24238	Seq. ID	OJ990824_03.0105.C8
Gene No.	50410	Strand	-
Start	192	End	2105
Name	OJ990824_03.0105.C8.o3.tc	Method	TBLASTX:Cress
Start	297	End	674
GI	none	Score	171
Exons	297..500, 301..480, 459..674, 493..540, 499..672		

Seq. No.	24238	Seq. ID	OJ990824_03.0105.C8
Gene No.	50410	Strand	-
Start	192	End	2105
Name	OJ990824_03.0105.C8.o1.ts	Method	TBLASTX:Soybean
Start	297	End	1304
GI	none	Score	467
Exons	297..770, 301..756, 621..770, 771..857, 772..870, 772..885,		

924..965, 929..967, 939..965, 1018..1284, 1020..1304, 1032..1304

Seq. No.	24238	Seq. ID	OJ990824_03.0105.C8
Gene No.	50410	Strand	-
Start	192	End	2105
Name	OJ990824_03.0105.C8.o1.gs	Method	GENSCAN
Start	325	End	2105
GI	none	Score	.41
Exons	325..2105		

Seq. No.	24238	Seq. ID	OJ990824_03.0105.C8
Gene No.	50410	Strand	-
Start	192	End	2105
Name	OJ990824_03.0105.C8.o1.gp	Method	AAT/GAP
Start	620	End	1077
GI	20612_1.R1084	Score	837
Exons	620..1077		
GI Descrip.	'4432855/gb|AAD20703| 2.0e-24 (AC006300) unknown protein [Arabidopsis thaliana]'		

Seq. No.	24238	Seq. ID	OJ990824_03.0105.C8
Gene No.	50410	Strand	-
Start	192	End	2105
Name	OJ990824_03.0105.C8.o1.tw	Method	TBLASTX:Wheat
Start	746	End	1187
GI	none	Score	153
Exons	746..1186, 747..860, 748..870, 936..965, 1013..1186, 1032..1187		

Seq. No.	24238	Seq. ID	OJ990824_03.0105.C8
Gene No.	50410	Strand	-
Start	192	End	2105
Name	OJ990824_03.0105.C8.o1.tc	Method	TBLASTX:Cress
Start	804	End	1451
GI	none	Score	235
Exons	804..842, 924..965, 1020..1418, 1032..1451, 1090..1425		

Seq. No.	24238	Seq. ID	OJ990824_03.0105.C8
Gene No.	50410	Strand	-
Start	192	End	2105
Name	OJ990824_03.0105.C8.o2.ts	Method	TBLASTX:Soybean
Start	1632	End	1871
GI	none	Score	158
Exons	1632..1871, 1678..1869		

Seq. No.	24238	Seq. ID	OJ990824_03.0105.C8
Gene No.	50410	Strand	-
Start	192	End	2105
Name	OJ990824_03.0105.C8.o2.tc	Method	TBLASTX:Cress
Start	1815	End	2094
GI	none	Score	204
Exons	1815..2093, 1816..2094		

Seq. No.	24238	Seq. ID	OJ990824_03.0105.C8
Gene No.	50410	Strand	-
Start	192	End	2105
Name	OJ990824_03.0105.C8.o3.ts	Method	TBLASTX:Soybean
Start	1899	End	2105

GI	none	Score	139
Exons	1899..2105, 1921..2100		

Seq. No.	24239	Seq. ID	OJ990824_03.0105.C9
Gene No.	50411	Strand	+
Start	2150	End	5388
Name	OJ990824_03.0105.C9.o3.np	Method	AAT/NAP
Start	2150	End	5388
GI	5852093	Score	59
Exons	2150..2177, 2676..2756, 3535..3663, 4286..4427, 5362..5388		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	24239	Seq. ID	OJ990824_03.0105.C9
Gene No.	50412	Strand	+
Start	12484	End	17453
Name	OJ990824_03.0105.C9.o4.gs	Method	GENSCAN
Start	12484	End	17453
GI	none	Score	.45
Exons	12484..12891, 15458..15574, 15710..16135, 16224..17453		

Seq. No.	24239	Seq. ID	OJ990824_03.0105.C9
Gene No.	50412	Strand	+
Start	12484	End	17453
Name	OJ990824_03.0105.C9.o4.np	Method	AAT/NAP
Start	12622	End	17366
GI	6523054	Score	1636
Exons	12622..12891, 15458..15574, 15710..16135, 16224..17366		
GI Descrip.	(AL133314) arm repeat containing protein homolog [Arabidopsis thaliana]		

Seq. No.	24239	Seq. ID	OJ990824_03.0105.C9
Gene No.	50413	Strand	-
Start	1	End	686
Name	OJ990824_03.0105.C9.o1.np	Method	AAT/NAP
Start	1	End	686
GI	140506	Score	109
Exons	1..29, 277..686		
GI Descrip.	PROBABLE INTRON MATURASE gi|82531|pir||JQ0201 hypothetical 65K protein (trnK intron) - rice chloroplast gi|11959|emb|CAA34008| (X15901) ORF542; ORF within trnK intron [Oryza sativa] gi|226626|prf||1603356B trnK intron ORF 542 [Oryza sativa]		

Seq. No.	24239	Seq. ID	OJ990824_03.0105.C9
Gene No.	50414	Strand	-
Start	609	End	6930
Name	OJ990824_03.0105.C9.o1.gs	Method	GENSCAN
Start	609	End	6930
GI	none	Score	.41
Exons	609..721, 1658..1911, 4683..4813, 4928..5060, 6717..6858, 6864..6930		

Seq. No.	24239	Seq. ID	OJ990824_03.0105.C9
Gene No.	50414	Strand	-
Start	609	End	6930
Name	OJ990824_03.0105.C9.o2.np	Method	AAT/NAP
Start	3109	End	3356
GI	4584355	Score	229

Exons	3109..3356		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		
Seq. No.	24239	Seq. ID	OJ990824_03.0105.C9
Gene No.	50415	Strand	-
Start	8764	End	10844
Name	OJ990824_03.0105.C9.o3.gs	Method	GENSCAN
Start	8764	End	10844
GI	none	Score	.48
Exons	8764..8988, 9225..9649, 10489..10743, 10763..10844		
Seq. No.	24239	Seq. ID	OJ990824_03.0105.C9
Gene No.	50416	Strand	-
Start	17346	End	17798
Name	OJ990824_03.0105.C9.o2.tm	Method	TBLASTX:Maize
Start	12672	End	12903
GI	none	Score	84
Exons	12672..12731, 12673..12750, 12675..12803, 12676..12903, 12802..12900		
Seq. No.	24239	Seq. ID	OJ990824_03.0105.C9
Gene No.	50416	Strand	-
Start	17346	End	17798
Name	OJ990824_03.0105.C9.o1.tm	Method	TBLASTX:Maize
Start	15536	End	17138
GI	none	Score	62
Exons	15536..15577, 15676..15924, 15706..15750, 15707..15925, 15914..16009, 15915..16022, 15919..16131, 15920..16144, 16064..16135, 16221..16982, 16229..16894, 16536..16913, 16659..17087, 16782..17138		
Seq. No.	24239	Seq. ID	OJ990824_03.0105.C9
Gene No.	50416	Strand	-
Start	17346	End	17798
Name	OJ990824_03.0105.C9.o1.ts	Method	TBLASTX:Soybean
Start	15707	End	17279
GI	none	Score	192
Exons	15707..15919, 15709..15912, 15914..15988, 15916..15990, 16061..16144, 16066..16134, 16220..16384, 16221..16385, 16389..17144, 16424..16894, 16479..17135, 16557..16781, 16806..16880, 16934..17143, 17183..17275, 17184..17279		
Seq. No.	24239	Seq. ID	OJ990824_03.0105.C9
Gene No.	50416	Strand	-
Start	17346	End	17798
Name	OJ990824_03.0105.C9.o1.tw	Method	TBLASTX:Wheat
Start	16021	End	16390
GI	none	Score	105
Exons	16021..16131, 16040..16144, 16221..16370, 16223..16390		
Seq. No.	24239	Seq. ID	OJ990824_03.0105.C9
Gene No.	50416	Strand	-
Start	17346	End	17798
Name	OJ990824_03.0105.C9.o2.tc	Method	TBLASTX:Cress
Start	16055	End	16382
GI	none	Score	111
Exons	16055..16144, 16066..16143, 16220..16378, 16221..16382		

Seq. No.	24239	Seq. ID	OJ990824_03.0105.C9
Gene No.	50416	Strand	-
Start	17346	End	17798
Name	OJ990824_03.0105.C9.o1.tc	Method	TBLASTX:Cress
Start	16533	End	17278
GI	none	Score	193
Exons	16533..16892, 16548..17018, 16566..16655, 16568..16654, 16640..17143, 16671..17144, 16812..16895, 16911..17138, 17184..17267, 17198..17278		

Seq. No.	24239	Seq. ID	OJ990824_03.0105.C9
Gene No.	50416	Strand	-
Start	17346	End	17798
Name	OJ990824_03.0105.C9.o3.tm	Method	TBLASTX:Maize
Start	17140	End	17340
GI	none	Score	150
Exons	17140..17301, 17140..17304, 17201..17311, 17299..17340, 17299..17340		

Seq. No.	24239	Seq. ID	OJ990824_03.0105.C9
Gene No.	50416	Strand	-
Start	17346	End	17798
Name	OJ990824_03.0105.C9.o1.gp	Method	AAT/GAP
Start	17346	End	17798
GI	none	Score	878
Exons	17346..17798		

Seq. No.	24240	Seq. ID	OJ990824_03.0105.C10
Gene No.	50417	Strand	+
Start	11990	End	16086
Name	OJ990824_03.0105.C10.o5.gs	Method	GENSCAN
Start	11990	End	16086
GI	none	Score	.63
Exons	11990..12372, 12810..12896, 13579..14143, 15436..15538, 15956..16086		

Seq. No.	24240	Seq. ID	OJ990824_03.0105.C10
Gene No.	50418	Strand	-
Start	2949	End	4954
Name	OJ990824_03.0105.C10.o2.gs	Method	GENSCAN
Start	2949	End	4954
GI	none	Score	.48
Exons	2949..3100, 4494..4589, 4861..4954		

Seq. No.	24240	Seq. ID	OJ990824_03.0105.C10
Gene No.	50419	Strand	-
Start	11375	End	11739
Name	OJ990824_03.0105.C10.o4.gs	Method	GENSCAN
Start	11375	End	11739
GI	none	Score	.84
Exons	11375..11545, 11557..11739		

Seq. No.	24240	Seq. ID	OJ990824_03.0105.C10
Gene No.	50420	Strand	-
Start	17991	End	18106
Name	OJ990824_03.0105.C10.o6.gs	Method	GENSCAN

Start	17991	End	18106
GI	none	Score	.64
Exons	17991..18106		

Seq. No.	24241	Seq. ID	OJ990824_03.0105.C12
Gene No.	50421	Strand	+
Start	1	End	771
Name	OJ990824_03.0105.C12.o1.np	Method	AAT/NAP
Start	1	End	771
GI	2809251	Score	182
Exons	1..57, 425..771		
GI Descrip.	(AC002560) F21B7.20 [Arabidopsis thaliana]		

Seq. No.	24241	Seq. ID	OJ990824_03.0105.C12
Gene No.	50421	Strand	+
Start	1	End	771
Name	OJ990824_03.0105.C12.o1.gp	Method	AAT/GAP
Start	140	End	379
GI	LIB3475-012-P1-K1-E3	Score	449
Exons	140..379		
GI Descrip.	'3236261 5.0e-46 (AC004684) putative zinc finger protein [Arabidopsis thaliana]'		

Seq. No.	24241	Seq. ID	OJ990824_03.0105.C12
Gene No.	50421	Strand	+
Start	1	End	771
Name	OJ990824_03.0105.C12.o1.gs	Method	GENSCAN
Start	269	End	694
GI	none	Score	.88
Exons	269..694		

Seq. No.	24241	Seq. ID	OJ990824_03.0105.C12
Gene No.	50422	Strand	+
Start	716	End	771
Name	OJ990824_03.0105.C12.o1.ts	Method	TBLASTX:Soybean
Start	427	End	769
GI	none	Score	121
Exons	427..522, 428..577, 503..616, 701..769	545..616, 673..768, 691..768,	

Seq. No.	24241	Seq. ID	OJ990824_03.0105.C12
Gene No.	50422	Strand	+
Start	716	End	771
Name	OJ990824_03.0105.C12.o1.tm	Method	TBLASTX:Maize
Start	430	End	768
GI	none	Score	129
Exons	430..516, 431..613, 673..768,	691..768	

Seq. No.	24241	Seq. ID	OJ990824_03.0105.C12
Gene No.	50422	Strand	+
Start	716	End	771
Name	OJ990824_03.0105.C12.o2.gp	Method	AAT/GAP
Start	716	End	771
GI	2310863	Score	104
Exons	716..771		
GI Descrip.	3236261 5.0e-46 (AC004684) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	24242	Seq. ID	OJ990824_03.0105.C14
Gene No.	50423	Strand	+
Start	691	End	1582
Name	OJ990824_03.0105.C14.o1.gs	Method	GENSCAN
Start	691	End	1582
GI	none	Score	.94
Exons	691..1034, 1129..1582		

Seq. No.	24242	Seq. ID	OJ990824_03.0105.C14
Gene No.	50423	Strand	+
Start	691	End	1582
Name	OJ990824_03.0105.C14.o1.np	Method	AAT/NAP
Start	691	End	1576
GI	3643271	Score	737
Exons	691..1034, 1129..1576		
GI Descrip.	(AF090872) 33 kDa secretory protein [Oryza sativa] gi|3851590 (AF093570) 33 kDa secretory protein [Oryza sativa] gi|4249681 (AF097724) 33 kDa secretory protein [Oryza sativa]		

Seq. No.	24242	Seq. ID	OJ990824_03.0105.C14
Gene No.	50424	Strand	+
Start	2932	End	7024
Name	OJ990824_03.0105.C14.o2.gs	Method	GENSCAN
Start	2932	End	7024
GI	none	Score	.52
Exons	2932..2980, 3624..3736, 3890..4053, 4154..4438, 5052..5158, 5229..5483, 5568..5939, 6061..6171, 7011..7024		

Seq. No.	24242	Seq. ID	OJ990824_03.0105.C14
Gene No.	50425	Strand	+
Start	7576	End	10632
Name	OJ990824_03.0105.C14.o3.tm	Method	TBLASTX:Maize
Start	699	End	1462
GI	none	Score	170
Exons	699..917, 706..918, 906..1031, 907..1032, 1346..1462		

Seq. No.	24242	Seq. ID	OJ990824_03.0105.C14
Gene No.	50425	Strand	+
Start	7576	End	10632
Name	OJ990824_03.0105.C14.o3.ts	Method	TBLASTX:Soybean
Start	916	End	1264
GI	none	Score	129
Exons	916..1038, 1130..1264		

Seq. No.	24242	Seq. ID	OJ990824_03.0105.C14
Gene No.	50425	Strand	+
Start	7576	End	10632
Name	OJ990824_03.0105.C14.o2.tm	Method	TBLASTX:Maize
Start	3929	End	4427
GI	none	Score	141
Exons	3929..4054, 4000..4056, 4151..4252, 4152..4256, 4236..4268, 4250..4426, 4251..4427		

Seq. No.	24242	Seq. ID	OJ990824_03.0105.C14
Gene No.	50425	Strand	+
Start	7576	End	10632

Name	OJ990824_03.0105.C14.o2.tc	Method	TBLASTX:Cress
Start	3947	End	4436
GI	none	Score	148
Exons	3947..4054, 4003..4056, 4151..4432, 4152..4436		

Seq. No.	24242	Seq. ID	OJ990824_03.0105.C14
Gene No.	50425	Strand	+
Start	7576	End	10632
Name	OJ990824_03.0105.C14.o2.ts	Method	TBLASTX:Soybean
Start	3947	End	4418
GI	none	Score	135
Exons	3947..4054, 4151..4414, 4152..4418		

Seq. No.	24242	Seq. ID	OJ990824_03.0105.C14
Gene No.	50425	Strand	+
Start	7576	End	10632
Name	OJ990824_03.0105.C14.o1.gp	Method	AAT/GAP
Start	7456	End	10252
GI	360_7.R1084	Score	1304
Exons	7456..7792, 9897..10252		
GI Descrip.	'2119719/pir||JC4786 2.0e-82 heat-shock cognate protein 70-3 - tomato >gi_762844 (L41253) Hsc70 [Lycopersicon esculentum]'		

Seq. No.	24242	Seq. ID	OJ990824_03.0105.C14
Gene No.	50425	Strand	+
Start	7576	End	10632
Name	OJ990824_03.0105.C14.o1.tw	Method	TBLASTX:Wheat
Start	7567	End	10632
GI	none	Score	362
Exons	7567..7743, 7569..7790, 7570..7791, 9895..10473, 9896..10471, 10411..10473, 10468..10632, 10485..10628		

Seq. No.	24242	Seq. ID	OJ990824_03.0105.C14
Gene No.	50425	Strand	+
Start	7576	End	10632
Name	OJ990824_03.0105.C14.o1.tm	Method	TBLASTX:Maize
Start	7570	End	10632
GI	none	Score	351
Exons	7570..7791, 7570..7743, 7587..7790, 9895..10482, 9896..10471, 10408..10482, 10431..10487, 10468..10632, 10485..10625		

Seq. No.	24242	Seq. ID	OJ990824_03.0105.C14
Gene No.	50425	Strand	+
Start	7576	End	10632
Name	OJ990824_03.0105.C14.o3.gs	Method	GENSCAN
Start	7576	End	10489
GI	none	Score	1
Exons	7576..7792, 9897..10489		

Seq. No.	24242	Seq. ID	OJ990824_03.0105.C14
Gene No.	50425	Strand	+
Start	7576	End	10632
Name	OJ990824_03.0105.C14.o2.np	Method	AAT/NAP
Start	7579	End	10632
GI	2119719	Score	1489
Exons	7579..7792, 9897..10632		
GI Descrip.	heat-shock cognate protein 70-3 - tomato gi|762844 (L41253)		

Hsc70 [Lycopersicon esculentum]

Seq. No.	24242	Seq. ID	OJ990824_03.0105.C14
Gene No.	50425	Strand	+
Start	7576	End	10632
Name	OJ990824_03.0105.C14.o1.ts	Method	TBLASTX:Soybean
Start	7581	End	10632
GI	none	Score	73
Exons	7581..7709, 7588..7791, 7590..7790, 9895..10476, 9896..10468, 10486..10632, 10491..10625		

Seq. No.	24242	Seq. ID	OJ990824_03.0105.C14
Gene No.	50425	Strand	+
Start	7576	End	10632
Name	OJ990824_03.0105.C14.o1.tc	Method	TBLASTX:Cress
Start	7587	End	10632
GI	none	Score	352
Exons	7587..7790, 7588..7791, 9895..10476, 9896..10471, 10468..10632, 10491..10628		

Seq. No.	24243	Seq. ID	OJ990824_03.0105.C15
Gene No.	50426	Strand	+
Start	1	End	183
Name	OJ990824_03.0105.C15.o1.gp	Method	AAT/GAP
Start	1	End	183
GI	421_4.R1084	Score	339
Exons	1..183		
GI Descrip.	'123650/sp|P09189|HS7C_PETHY 1.0e-22 HEAT SHOCK COGNATE 70 KD PROTEIN >gi_82245_pir__S03250 heat shock protein 70 (clone pMON9743) - garden petunia >gi_20557_emb_CAA30018_ (X06932) heat shock protein 70 [Petunia x hybrida]'		

Seq. No.	24243	Seq. ID	OJ990824_03.0105.C15
Gene No.	50426	Strand	+
Start	1	End	183
Name	OJ990824_03.0105.C15.o1.gs	Method	GENSCAN
Start	14	End	75
GI	none	Score	.95
Exons	14..75		

Seq. No.	24244	Seq. ID	OJ990824_03.0105.C16
Gene No.	50427	Strand	+
Start	261	End	2948
Name	OJ990824_03.0105.C16.o1.gs	Method	GENSCAN
Start	261	End	2948
GI	none	Score	.45
Exons	261..531, 1690..1846, 2422..2457, 2895..2948		

Seq. No.	24244	Seq. ID	OJ990824_03.0105.C16
Gene No.	50428	Strand	+
Start	3165	End	4025
Name	OJ990824_03.0105.C16.o1.gp	Method	AAT/GAP
Start	3165	End	4025
GI	none	Score	1598
Exons	3165..4025		

Seq. No.	24244	Seq. ID	OJ990824_03.0105.C16

Gene No.	50429	Strand	-
Start	3869	End	5535
Name	OJ990824_03.0105.C16.o1.tm	Method	TBLASTX:Maize
Start	3850	End	4427
GI	none	Score	562
Exons	3850..4419, 3851..4420, 3875..4423, 3876..4427		

Seq. No.	24244	Seq. ID	OJ990824_03.0105.C16
Gene No.	50429	Strand	-
Start	3869	End	5535
Name	OJ990824_03.0105.C16.o1.np	Method	AAT/NAP
Start	3862	End	5437
GI	3236240	Score	1382
Exons	3862..5090, 5159..5437		
GI Descrip.	(AC004684) unknown protein [Arabidopsis thaliana]		

Seq. No.	24244	Seq. ID	OJ990824_03.0105.C16
Gene No.	50429	Strand	-
Start	3869	End	5535
Name	OJ990824_03.0105.C16.o2.gs	Method	GENSCAN
Start	3869	End	5488
GI	none	Score	1
Exons	3869..5488		

Seq. No.	24244	Seq. ID	OJ990824_03.0105.C16
Gene No.	50429	Strand	-
Start	3869	End	5535
Name	OJ990824_03.0105.C16.o1.ts	Method	TBLASTX:Soybean
Start	3872	End	5094
GI	none	Score	105
Exons	3872..4111, 3893..4330, 3894..4322, 4162..4323, 4373..4465, 4377..4466, 4481..4510, 4556..4972, 4557..5015, 4958..5089, 5016..5093, 5017..5094		

Seq. No.	24244	Seq. ID	OJ990824_03.0105.C16
Gene No.	50429	Strand	-
Start	3869	End	5535
Name	OJ990824_03.0105.C16.o2.tc	Method	TBLASTX:Cress
Start	3879	End	4285
GI	none	Score	58
Exons	3879..3944, 3893..3937, 3929..4285, 3930..4274, 4051..4281		

Seq. No.	24244	Seq. ID	OJ990824_03.0105.C16
Gene No.	50429	Strand	-
Start	3869	End	5535
Name	OJ990824_03.0105.C16.o2.tm	Method	TBLASTX:Maize
Start	4445	End	5108
GI	none	Score	53
Exons	4445..4510, 4464..4508, 4538..4972, 4539..4943, 4988..5086, 4992..5108		

Seq. No.	24244	Seq. ID	OJ990824_03.0105.C16
Gene No.	50429	Strand	-
Start	3869	End	5535
Name	OJ990824_03.0105.C16.o1.tw	Method	TBLASTX:Wheat
Start	4481	End	4886
GI	none	Score	226

Exons	4481..4510, 4490..4879, 4520..4882, 4527..4886		
Seq. No.	24244	Seq. ID	OJ990824_03.0105.C16
Gene No.	50429	Strand	-
Start	3869	End	5535
Name	OJ990824_03.0105.C16.o1.tc	Method	TBLASTX:Cress
Start	4592	End	5095
GI	none	Score	55
Exons	4592..4642, 4637..4720, 4644..4694, 4697..4969, 4698..4949, 4958..5095, 4959..5093		
Seq. No.	24244	Seq. ID	OJ990824_03.0105.C16
Gene No.	50429	Strand	-
Start	3869	End	5535
Name	OJ990824_03.0105.C16.o3.tm	Method	TBLASTX:Maize
Start	5115	End	5489
GI	none	Score	48
Exons	5115..5186, 5119..5139, 5170..5235, 5180..5233, 5186..5236, 5300..5344, 5382..5489, 5387..5488		
Seq. No.	24244	Seq. ID	OJ990824_03.0105.C16
Gene No.	50429	Strand	-
Start	3869	End	5535
Name	OJ990824_03.0105.C16.o2.gp	Method	AAT/GAP
Start	5185	End	5535
GI	none	Score	669
Exons	5185..5535		
Seq. No.	24245	Seq. ID	OJ990824_03.0105.C17
Gene No.	50430	Strand	+
Start	4289	End	6059
Name	OJ990824_03.0105.C17.o1.np	Method	AAT/NAP
Start	4289	End	6059
GI	5922620	Score	180
Exons	4289..4309, 5932..6059		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	24245	Seq. ID	OJ990824_03.0105.C17
Gene No.	50431	Strand	+
Start	6864	End	9917
Name	OJ990824_03.0105.C17.o1.gp	Method	AAT/GAP
Start	6864	End	9161
GI	775_3.R1084	Score	1659
Exons	6864..7052, 7511..7573, 7712..7795, 7875..7982, 8078..8250, 8345..8456, 8807..8887, 8966..9028, 9111..9161		
GI Descrip.	'2501850 1.0e-132 (AF012823) GDP dissociation inhibitor [Nicotiana tabacum]'		
Seq. No.	24245	Seq. ID	OJ990824_03.0105.C17
Gene No.	50431	Strand	+
Start	6864	End	9917
Name	OJ990824_03.0105.C17.o1.ts	Method	TBLASTX:Soybean
Start	6960	End	9917

GI	none	Score	147
Exons	6960..7001, 6966..7055, 7007..7054, 7505..7576, 7510..7569, 7710..7793, 7711..7794, 7712..7795, 7872..7985, 7874..8053, 8057..8251, 8072..8233, 8083..8253, 8337..8459, 8348..8455, 8353..8460, 8807..8887, 8812..8883, 8962..9045, 8966..9031, 9108..9215, 9110..9214, 9298..9426, 9300..9440, 9300..9428, 9557..9622, 9561..9623, 9623..9793, 9661..9762, 9846..9917		

Seq. No.	24245	Seq. ID	OJ990824_03.0105.C17
Gene No.	50431	Strand	+
Start	6864	End	9917
Name	OJ990824_03.0105.C17.o1.tc	Method	TBLASTX:Cress
Start	6966	End	9917
GI	none	Score	143
Exons	6966..7055, 7007..7054, 7505..7576, 7510..7581, 7711..7791, 7712..7795, 7872..7985, 7874..7984, 8057..8251, 8059..8253, 8337..8459, 8355..8456, 8803..8892, 8807..8887, 8965..9045, 8966..9031, 9108..9215, 9110..9214, 9298..9426, 9300..9440, 9300..9428, 9307..9429, 9557..9622, 9561..9623, 9623..9793, 9661..9759, 9846..9917, 9846..9911		

Seq. No.	24245	Seq. ID	OJ990824_03.0105.C17
Gene No.	50431	Strand	+
Start	6864	End	9917
Name	OJ990824_03.0105.C17.o2.gs	Method	GENSCAN
Start	6966	End	9769
GI	none	Score	.93
Exons	6966..7052, 7511..7573, 7712..7795, 7875..7982, 8078..8250, 8345..8456, 8807..8887, 8966..9028, 9111..9212, 9301..9425, 9604..9769		

Seq. No.	24245	Seq. ID	OJ990824_03.0105.C17
Gene No.	50431	Strand	+
Start	6864	End	9917
Name	OJ990824_03.0105.C17.o2.np	Method	AAT/NAP
Start	6966	End	9917
GI	2501850	Score	1543
Exons	6966..7052, 7511..7573, 7712..7795, 7875..7982, 8078..8250, 8345..8456, 8807..8887, 8966..9028, 9111..9212, 9301..9425, 9560..9769, 9846..9917		
GI Descrip.	(AF012823) GDP dissociation inhibitor [Nicotiana tabacum]		

Seq. No.	24245	Seq. ID	OJ990824_03.0105.C17
Gene No.	50431	Strand	+
Start	6864	End	9917
Name	OJ990824_03.0105.C17.o1.tm	Method	TBLASTX:Maize
Start	6966	End	9917
GI	none	Score	149
Exons	6966..7055, 6966..7004, 7007..7054, 7505..7576, 7509..7565, 7510..7581, 7710..7793, 7711..7794, 7712..7795, 7862..7981, 7872..7985, 7874..7981, 8057..8251, 8057..8248, 8077..8250, 8337..8459, 8340..8456, 8345..8458, 8803..8886, 8805..8888, 8807..8887, 8851..8892, 8948..9028, 8964..9029, 8964..9029, 8965..9042, 8966..9031, 9108..9215, 9110..9214, 9294..9428, 9295..9426, 9298..9444, 9300..9443, 9557..9622, 9561..9623, 9616..9768, 9623..9793, 9846..9917, 9865..9912		

Seq. No.	24245	Seq. ID	OJ990824_03.0105.C17
Gene No.	50431	Strand	+
Start	6864	End	9917
Name	OJ990824_03.0105.C17.o2.tw	Method	TBLASTX:Wheat
Start	7505	End	8212
GI	none	Score	95
Exons	7505..7576, 7509..7568, 7516..7581, 7708..7791, 7710..7790, 7712..7795, 7715..7795, 7847..7975, 7867..7974, 7872..7985, 7872..7982, 7874..8008, 8057..8212, 8060..8197		

Seq. No.	24245	Seq. ID	OJ990824_03.0105.C17
Gene No.	50431	Strand	+
Start	6864	End	9917
Name	OJ990824_03.0105.C17.o1.tw	Method	TBLASTX:Wheat
Start	8834	End	9623
GI	none	Score	95
Exons	8834..8887, 8836..8883, 8851..8901, 8958..9029, 8961..9029, 8965..9030, 8965..9045, 8966..9031, 9108..9215, 9110..9214, 9298..9426, 9300..9428, 9557..9622, 9561..9623		

Seq. No.	24245	Seq. ID	OJ990824_03.0105.C17
Gene No.	50431	Strand	+
Start	6864	End	9917
Name	OJ990824_03.0105.C17.o2.gp	Method	AAT/GAP
Start	9345	End	9917
GI	37597_1.R1084	Score	659
Exons	9345..9425, 9560..9769, 9846..9917		
GI Descrip.	'1550740/emb|CAA69258| 1.0e-52 (Y07961) GDP-associated inhibitor [Arabidopsis thaliana]'		

Seq. No.	24246	Seq. ID	OJ991014_10.0207.C2
Gene No.	50432	Strand	-
Start	1	End	102
Name	OJ991014_10.0207.C2.o1.np	Method	AAT/NAP
Start	1	End	102
GI	3661460	Score	121
Exons	1..102		
GI Descrip.	(AF078527) transposase [Pseudomonas aeruginosa]		

Seq. No.	24246	Seq. ID	OJ991014_10.0207.C2
Gene No.	50433	Strand	-
Start	295	End	1197
Name	OJ991014_10.0207.C2.o1.tc	Method	TBLASTX:Cress
Start	20	End	233
GI	none	Score	87
Exons	20..76, 20..76, 21..71, 75..233, 76..165, 77..172		

Seq. No.	24246	Seq. ID	OJ991014_10.0207.C2
Gene No.	50433	Strand	-
Start	295	End	1197
Name	OJ991014_10.0207.C2.o1.gp	Method	AAT/GAP
Start	295	End	1023
GI	702552	Score	599
Exons	295..391, 549..590, 673..750, 817..1023		

Seq. No.	24246	Seq. ID	OJ991014_10.0207.C2
Gene No.	50433	Strand	-

Start	295	End	1197
Name	OJ991014_10.0207.C2.o1.gs	Method	GENSCAN
Start	549	End	1197
GI	none	Score	.72
Exons	549..590, 673..755, 804..1197		

Seq. No.	24247	Seq. ID	OJ991014_10.0207.C3
Gene No.	50434	Strand	+
Start	1	End	2632
Name	OJ991014_10.0207.C3.o1.np	Method	AAT/NAP
Start	1	End	2629
GI	6503302	Score	494
Exons	1..283, 370..589, 616..815, 1566..1850, 2348..2629		
GI Descrip.	(AC011713) Is a member of PF|01544 CorA-like Mg2+ transporter protein family. ESTs gb|Z48392 and gb|Z48391 come from this gene. [Arabidopsis thaliana]		

Seq. No.	24247	Seq. ID	OJ991014_10.0207.C3
Gene No.	50434	Strand	+
Start	1	End	2632
Name	OJ991014_10.0207.C3.o1.gs	Method	GENSCAN
Start	151	End	2632
GI	none	Score	.84
Exons	151..283, 370..815, 1566..1850, 2348..2632		

Seq. No.	24247	Seq. ID	OJ991014_10.0207.C3
Gene No.	50435	Strand	-
Start	2664	End	2823
Name	OJ991014_10.0207.C3.o2.tm	Method	TBLASTX:Maize
Start	115	End	569
GI	none	Score	199
Exons	115..231, 141..290, 142..282, 359..472, 369..473, 369..473, 463..525, 468..569, 474..569		

Seq. No.	24247	Seq. ID	OJ991014_10.0207.C3
Gene No.	50435	Strand	-
Start	2664	End	2823
Name	OJ991014_10.0207.C3.o1.ts	Method	TBLASTX:Soybean
Start	124	End	1660
GI	none	Score	158
Exons	124..213, 141..290, 142..282, 359..499, 360..509, 540..833, 591..809, 797..832, 1563..1658, 1563..1616, 1564..1659, 1607..1660		

Seq. No.	24247	Seq. ID	OJ991014_10.0207.C3
Gene No.	50435	Strand	-
Start	2664	End	2823
Name	OJ991014_10.0207.C3.o1.tc	Method	TBLASTX:Cress
Start	193	End	788
GI	none	Score	109
Exons	193..282, 255..290, 359..508, 360..509, 600..788, 612..788		

Seq. No.	24247	Seq. ID	OJ991014_10.0207.C3
Gene No.	50435	Strand	-
Start	2664	End	2823
Name	OJ991014_10.0207.C3.o3.tm	Method	TBLASTX:Maize
Start	591	End	746

GI	none	Score	216
Exons	591..746, 591..746		

Seq. No.	24247	Seq. ID	OJ991014_10.0207.C3
Gene No.	50435	Strand	-
Start	2664	End	2823
Name	OJ991014_10.0207.C3.o1.tm	Method	TBLASTX:Maize
Start	1563	End	2646
GI	none	Score	89
Exons	1563..1634, 1564..1626, 1627..1851, 1627..1851, 2337..2525, 2339..2539, 2348..2536, 2440..2553, 2506..2646, 2525..2638		

Seq. No.	24247	Seq. ID	OJ991014_10.0207.C3
Gene No.	50435	Strand	-
Start	2664	End	2823
Name	OJ991014_10.0207.C3.o2.tc	Method	TBLASTX:Cress
Start	1760	End	2635
GI	none	Score	72
Exons	1760..1843, 1762..1839, 1767..1847, 1770..1862, 1811..1855, 2339..2521, 2339..2518, 2531..2620, 2537..2635		

Seq. No.	24247	Seq. ID	OJ991014_10.0207.C3
Gene No.	50435	Strand	-
Start	2664	End	2823
Name	OJ991014_10.0207.C3.o1.gp	Method	AAT/GAP
Start	2664	End	2823
GI	2799390	Score	254
Exons	2664..2823		

Seq. No.	24248	Seq. ID	OJ991014_10.0207.C4
Gene No.	50436	Strand	-
Start	1	End	3854
Name	OJ991014_10.0207.C4.o1.gp	Method	AAT/GAP
Start	1	End	1509
GI	34996_1.R1084	Score	1081
Exons	1..318, 1252..1509		
GI Descrip.	'4467139/emb|CAB37508| 1.0e-65 (AL035540) putative protein phosphatase-2c [Arabidopsis thaliana]'		

Seq. No.	24248	Seq. ID	OJ991014_10.0207.C4
Gene No.	50436	Strand	-
Start	1	End	3854
Name	OJ991014_10.0207.C4.o1.np	Method	AAT/NAP
Start	55	End	3428
GI	4206122	Score	1401
Exons	55..318, 1252..1488, 2207..2574, 3104..3428		
GI Descrip.	(AF097667) protein phosphatase 2C homolog [Mesembryanthemum crystallinum]		

Seq. No.	24248	Seq. ID	OJ991014_10.0207.C4
Gene No.	50436	Strand	-
Start	1	End	3854
Name	OJ991014_10.0207.C4.o1.gs	Method	GENSCAN
Start	67	End	3413
GI	none	Score	.93
Exons	67..318, 1252..1488, 2207..2574, 3104..3413		

Seq. No.	24248	Seq. ID	OJ991014_10.0207.C4
Gene No.	50436	Strand	-
Start	1	End	3854
Name	OJ991014_10.0207.C4.o2.gp	Method	AAT/GAP
Start	3209	End	3854
GI	26110_1.R1084	Score	952
Exons	3209..3517, 3659..3854		
GI Descrip.	'4206122 2.0e-13 (AF097667) protein phosphatase 2C homolog [Mesembryanthemum crystallinum]'		

Seq. No.	24248	Seq. ID	OJ991014_10.0207.C4
Gene No.	50437	Strand	-
Start	4978	End	6283
Name	OJ991014_10.0207.C4.o1.tm	Method	TBLASTX:Maize
Start	29	End	3446
GI	none	Score	66
Exons	29..133, 33..134, 49..141, 59..208, 116..319, 142..318, 1238..1501, 1251..1352, 1252..1500, 2204..2614, 2208..2615, 3097..3396, 3105..3377, 3363..3446		

Seq. No.	24248	Seq. ID	OJ991014_10.0207.C4
Gene No.	50437	Strand	-
Start	4978	End	6283
Name	OJ991014_10.0207.C4.o3.tc	Method	TBLASTX:Cress
Start	103	End	319
GI	none	Score	176
Exons	103..141, 140..316, 157..318, 176..319		

Seq. No.	24248	Seq. ID	OJ991014_10.0207.C4
Gene No.	50437	Strand	-
Start	4978	End	6283
Name	OJ991014_10.0207.C4.o1.ts	Method	TBLASTX:Soybean
Start	172	End	3489
GI	none	Score	151
Exons	172..297, 173..298, 268..324, 1210..1500, 1229..1342, 1361..1501, 2200..2406, 2204..2614, 2211..2573, 3093..3353, 3094..3354, 3363..3437, 3451..3489		

Seq. No.	24248	Seq. ID	OJ991014_10.0207.C4
Gene No.	50437	Strand	-
Start	4978	End	6283
Name	OJ991014_10.0207.C4.o1.tc	Method	TBLASTX:Cress
Start	1252	End	2410
GI	none	Score	175
Exons	1252..1500, 1271..1480, 2204..2398, 2204..2410, 2205..2402		

Seq. No.	24248	Seq. ID	OJ991014_10.0207.C4
Gene No.	50437	Strand	-
Start	4978	End	6283
Name	OJ991014_10.0207.C4.o1.tw	Method	TBLASTX:Wheat
Start	2451	End	3378
GI	none	Score	57
Exons	2451..2501, 2453..2503, 2455..2508, 2499..2600, 2501..2605, 2503..2601, 3081..3299, 3081..3377, 3094..3378		

Seq. No.	24248	Seq. ID	OJ991014_10.0207.C4
Gene No.	50437	Strand	-

Start	4978	End	6283
Name	OJ991014_10.0207.C4.o2.tc	Method	TBLASTX:Cress
Start	3123	End	3360
GI	none	Score	122
Exons	3123..3305, 3123..3359, 3127..3360		

Seq. No.	24248	Seq. ID	OJ991014_10.0207.C4
Gene No.	50437	Strand	-
Start	4978	End	6283
Name	OJ991014_10.0207.C4.o2.np	Method	AAT/NAP
Start	4978	End	6283
GI	6815099	Score	85
Exons	4978..5110, 6255..6283		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	24249	Seq. ID	OJ991014_10.0207.C5
Gene No.	50438	Strand	+
Start	774	End	8813
Name	OJ991014_10.0207.C5.o1.gs	Method	GENSCAN
Start	774	End	5506
GI	none	Score	.42
Exons	774..833, 3316..3441, 4179..4347, 4841..5209, 5382..5506		

Seq. No.	24249	Seq. ID	OJ991014_10.0207.C5
Gene No.	50438	Strand	+
Start	774	End	8813
Name	OJ991014_10.0207.C5.o1.np	Method	AAT/NAP
Start	1967	End	6151
GI	6967113	Score	63
Exons	1967..2318, 6114..6151		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	24249	Seq. ID	OJ991014_10.0207.C5
Gene No.	50438	Strand	+
Start	774	End	8813
Name	OJ991014_10.0207.C5.o3.np	Method	AAT/NAP
Start	3398	End	3485
GI	4680183	Score	126
Exons	3398..3485		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	24249	Seq. ID	OJ991014_10.0207.C5
Gene No.	50438	Strand	+
Start	774	End	8813
Name	OJ991014_10.0207.C5.o4.np	Method	AAT/NAP
Start	4208	End	8813
GI	6815109	Score	691
Exons	4208..4283, 4351..4864, 4916..5136, 7777..8004, 8585..8813		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	24249	Seq. ID	OJ991014_10.0207.C5
Gene No.	50439	Strand	-
Start	1302	End	3363
Name	OJ991014_10.0207.C5.o2.np	Method	AAT/NAP
Start	1302	End	3363
GI	6721561	Score	129
Exons	1302..1380, 3258..3363		

GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	24249	Seq. ID	OJ991014_10.0207.C5
Gene No.	50439	Strand	-
Start	1302	End	3363
Name	OJ991014_10.0207.C5.o1.gp	Method	AAT/GAP
Start	2677	End	2766
GI	uC-osflcyp088b12b1	Score	135
Exons	2677..2766		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	24249	Seq. ID	OJ991014_10.0207.C5
Gene No.	50440	Strand	-
Start	5796	End	6317
Name	OJ991014_10.0207.C5.o2.gp	Method	AAT/GAP
Start	5796	End	6317
GI	LIB3434-038-P1-K1-F1	Score	732
Exons	5796..6317		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	24249	Seq. ID	OJ991014_10.0207.C5
Gene No.	50441	Strand	-
Start	7717	End	8033
Name	OJ991014_10.0207.C5.o2.gs	Method	GENSCAN
Start	7717	End	8033
GI	none	Score	.95
Exons	7717..7720, 7768..8033		

Seq. No.	24249	Seq. ID	OJ991014_10.0207.C5
Gene No.	50442	Strand	-
Start	8570	End	8769
Name	OJ991014_10.0207.C5.o1.tm	Method	TBLASTX:Maize
Start	1984	End	2362
GI	none	Score	72
Exons	1984..2049, 2054..2104, 2114..2362, 2167..2304		

Seq. No.	24249	Seq. ID	OJ991014_10.0207.C5
Gene No.	50442	Strand	-
Start	8570	End	8769
Name	OJ991014_10.0207.C5.o3.gs	Method	GENSCAN
Start	8570	End	8769
GI	none	Score	.75
Exons	8570..8769		

Seq. No.	24250	Seq. ID	OJ991014_10.0207.C6
Gene No.	50443	Strand	
Start	221	End	1091
Name	OJ991014_10.0207.C6.o2.tm	Method	TBLASTX:Maize
Start	221	End	516
GI	none	Score	268
Exons	221..502, 221..430, 229..468, 436..516		

Seq. No.	24250	Seq. ID	OJ991014_10.0207.C6
Gene No.	50443	Strand	
Start	221	End	1091
Name	OJ991014_10.0207.C6.o1.ts	Method	TBLASTX:Soybean
Start	238	End	647
GI	none	Score	164
Exons	238..441, 251..442, 543..647		

Seq. No.	24250	Seq. ID	OJ991014_10.0207.C6
Gene No.	50443	Strand	
Start	221	End	1091
Name	OJ991014_10.0207.C6.o1.tw	Method	TBLASTX:Wheat
Start	272	End	821
GI	none	Score	126
Exons	272..454, 437..619, 489..632,	639..677,	705..821

Seq. No.	24250	Seq. ID	OJ991014_10.0207.C6
Gene No.	50443	Strand	
Start	221	End	1091
Name	OJ991014_10.0207.C6.o1.tm	Method	TBLASTX:Maize
Start	720	End	1091
GI	none	Score	301
Exons	720..1091, 722..937		

Seq. No.	24251	Seq. ID	OJ991014_10.0207.C8
Gene No.	50444	Strand	
Start	429	End	571
Name	OJ991014_10.0207.C8.o1.tm	Method	TBLASTX:Maize
Start	429	End	571
GI	none	Score	162
Exons	429..569, 433..564, 434..571,	463..570	

Seq. No.	24252	Seq. ID	OJ991014_10.0207.C10
Gene No.	50445	Strand	+
Start	3000	End	5650
Name	OJ991014_10.0207.C10.o2.np	Method	AAT/NAP
Start	3000	End	5650
GI	6721516	Score	351
Exons	3000..3031, 4944..5184, 5599..5650		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	24252	Seq. ID	OJ991014_10.0207.C10
Gene No.	50446	Strand	-
Start	1	End	2984
Name	OJ991014_10.0207.C10.o1.np	Method	AAT/NAP
Start	1	End	2984
GI	6630733	Score	83
Exons	1..18, 1935..2302, 2788..2984		
GI Descrip.	(AL132958) Cytochrom P450-like protein [Arabidopsis thaliana]		

Seq. No.	24252	Seq. ID	OJ991014_10.0207.C10
Gene No.	50446	Strand	-
Start	1	End	2984
Name	OJ991014_10.0207.C10.o1.tm	Method	TBLASTX:Maize
Start	3	End	493
GI	none	Score	100

Exons	3..185, 43..186, 71..175, 73..183, 172..291, 179..373, 192..287, 292..396, 293..337, 398..493, 398..481		
Seq. No.	24253	Seq. ID	OJ991014_10.0207.C11
Gene No.	50447	Strand	+
Start	1	End	3888
Name	OJ991014_10.0207.C11.o1.np	Method	AAT/NAP
Start	1	End	656
GI	6721516	Score	64
Exons	1..231, 527..656		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	24253	Seq. ID	OJ991014_10.0207.C11
Gene No.	50447	Strand	+
Start	1	End	3888
Name	OJ991014_10.0207.C11.o3.np	Method	AAT/NAP
Start	1	End	3530
GI	6069646	Score	335
Exons	1..44, 3274..3530		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	24253	Seq. ID	OJ991014_10.0207.C11
Gene No.	50447	Strand	+
Start	1	End	3888
Name	OJ991014_10.0207.C11.o1.gs	Method	GENSCAN
Start	1836	End	2522
GI	none	Score	.73
Exons	1836..2522		

Seq. No.	24253	Seq. ID	OJ991014_10.0207.C11
Gene No.	50447	Strand	+
Start	1	End	3888
Name	OJ991014_10.0207.C11.o2.np	Method	AAT/NAP
Start	2128	End	3888
GI	5091511	Score	104
Exons	2128..2327, 3844..3888		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana RING-H2 finger protein RHX1a mRNA, partial cds.(AF079184) [Oryza sativa]		

Seq. No.	24254	Seq. ID	OJ991014_10.0207.C13
Gene No.	50448	Strand	+
Start	407	End	5806
Name	OJ991014_10.0207.C13.o2.np	Method	AAT/NAP
Start	407	End	5806
GI	322759	Score	62
Exons	407..451, 2908..2980, 3051..3149, 5682..5806		
GI Descrip.	pistil extensin-like protein (clone pMG14) - common tobacco (fragment) gi|19927|emb|CAA78393| (Z14015) pistil extensin like protein [Nicotiana tabacum]		

Seq. No.	24254	Seq. ID	OJ991014_10.0207.C13
Gene No.	50449	Strand	+
Start	7773	End	8018

Name	OJ991014_10.0207.C13.o4.np	Method	AAT/NAP
Start	7773	End	8018
GI	82538	Score	431
Exons	7773..8018		
GI Descrip.	hypothetical 9K protein (rps19-rpl2 intergenic region) - rice chloroplast gi|12028|emb|CAA33936| (X15901) ORF82 [Oryza sativa] gi|12074|emb|CAA33926| (X15901) ORF82 [Oryza sativa] gi|226650|prf||1603356CA ORF 82 [Oryza sativa]		

Seq. No.	24254	Seq. ID	OJ991014_10.0207.C13
Gene No.	50450	Strand	+
Start	8018	End	8296
Name	OJ991014_10.0207.C13.o5.np	Method	AAT/NAP
Start	8018	End	8296
GI	1334371	Score	469
Exons	8018..8296		
GI Descrip.	(X13327) rps 19 [Secale cereale]		

Seq. No.	24254	Seq. ID	OJ991014_10.0207.C13
Gene No.	50451	Strand	-
Start	228	End	3211
Name	OJ991014_10.0207.C13.o1.gs	Method	GENSCAN
Start	228	End	3211
GI	none	Score	.78
Exons	228..431, 743..1057, 1145..1319, 1968..2018, 2106..2206, 2392..2478, 2798..3211		

Seq. No.	24254	Seq. ID	OJ991014_10.0207.C13
Gene No.	50452	Strand	-
Start	4683	End	5801
Name	OJ991014_10.0207.C13.o2.gs	Method	GENSCAN
Start	4683	End	5801
GI	none	Score	.84
Exons	4683..5008, 5621..5801		

Seq. No.	24254	Seq. ID	OJ991014_10.0207.C13
Gene No.	50453	Strand	-
Start	7241	End	7651
Name	OJ991014_10.0207.C13.o3.np	Method	AAT/NAP
Start	7241	End	7651
GI	6176571	Score	699
Exons	7241..7651		
GI Descrip.	HYPOTHETICAL 14.9 KD PROTEIN YCF72 (ORF137) gi|82519|pir||JQ0269 hypothetical 15K protein (trnH-trnV intergenic region) - rice chloroplast gi|12029|emb|CAA33937| (X15901) ORF137 [Oryza sativa] gi|12073|emb|CAA33925| (X15901) ORF137 [Oryza sativa] gi|226651|prf||1603356CB ORF 137 [Oryza sativa]		

Seq. No.	24254	Seq. ID	OJ991014_10.0207.C13
Gene No.	50454	Strand	-
Start	7918	End	8341
Name	OJ991014_10.0207.C13.o1.gp	Method	AAT/GAP
Start	7918	End	8341
GI	3073_1.R1084	Score	798
Exons	7918..8341		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice		

chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'

Seq. No.	24254	Seq. ID	OJ991014_10.0207.C13
Gene No.	50455	Strand	-
Start	8362	End	8713
Name	OJ991014_10.0207.C13.o2.ts	Method	TBLASTX:Soybean
Start	785	End	1215
GI	none	Score	50
Exons	785..1051, 841..939, 861..1073, 866..1042, 981..1055, 1142..1210, 1142..1210, 1156..1215		

Seq. No.	24254	Seq. ID	OJ991014_10.0207.C13
Gene No.	50455	Strand	-
Start	8362	End	8713
Name	OJ991014_10.0207.C13.o3.tc	Method	TBLASTX:Cress
Start	820	End	6986
GI	none	Score	59
Exons	820..852, 927..965, 6745..6792, 6746..6790, 6778..6909, 6789..6986, 6791..6985		

Seq. No.	24254	Seq. ID	OJ991014_10.0207.C13
Gene No.	50455	Strand	-
Start	8362	End	8713
Name	OJ991014_10.0207.C13.o1.ts	Method	TBLASTX:Soybean
Start	6745	End	8267
GI	none	Score	240
Exons	6745..6909, 6752..6931, 6762..6917, 6812..6931, 6909..6986, 6910..6987, 6941..7027, 6988..7110, 6991..7170, 6993..7169, 7170..7214, 7171..7212, 7172..7213, 7210..7320, 7211..7306, 7291..7383, 7292..7489, 7307..7516, 7427..7678, 7451..7606, 7458..7679, 7461..7694, 7462..7713, 7657..7695, 7658..7750, 7674..7751, 7680..7751, 7999..8022, 8001..8024, 8029..8253, 8030..8263, 8115..8267		

Seq. No.	24254	Seq. ID	OJ991014_10.0207.C13
Gene No.	50455	Strand	-
Start	8362	End	8713
Name	OJ991014_10.0207.C13.o1.tm	Method	TBLASTX:Maize
Start	6891	End	7733
GI	none	Score	212
Exons	6891..7262, 6895..7386, 6897..7037, 6898..7731, 7077..7733, 7079..7678, 7308..7733		

Seq. No.	24254	Seq. ID	OJ991014_10.0207.C13
Gene No.	50455	Strand	-
Start	8362	End	8713
Name	OJ991014_10.0207.C13.o1.tc	Method	TBLASTX:Cress
Start	7241	End	8128
GI	none	Score	333
Exons	7241..7549, 7321..7383, 7322..7570, 7326..7565, 7580..7678, 7581..7679, 7584..7766, 7585..7719, 7658..7750, 7805..7837, 7809..7838, 7809..7838, 7812..7889, 7832..7888, 7839..7889, 7840..7890, 8030..8128, 8036..8125		

Seq. No.	24254	Seq. ID	OJ991014_10.0207.C13

Gene No.	50455	Strand	-
Start	8362	End	8713
Name	OJ991014_10.0207.C13.o1.tw	Method	TBLASTX:Wheat
Start	7273	End	7579
GI	none	Score	489
Exons	7273..7386, 7274..7579, 7274..7576, 7305..7577		

Seq. No.	24254	Seq. ID	OJ991014_10.0207.C13
Gene No.	50455	Strand	-
Start	8362	End	8713
Name	OJ991014_10.0207.C13.o2.tm	Method	TBLASTX:Maize
Start	7901	End	8334
GI	none	Score	155
Exons	7901..7990, 7902..8003, 7902..8042, 7946..8005, 7992..8066, 7992..8300, 7997..8305, 7999..8334		

Seq. No.	24254	Seq. ID	OJ991014_10.0207.C13
Gene No.	50455	Strand	-
Start	8362	End	8713
Name	OJ991014_10.0207.C13.o2.gp	Method	AAT/GAP
Start	8362	End	8706
GI	5455469	Score	585
Exons	8362..8706		
GI Descrip.	131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15		

Seq. No.	24254	Seq. ID	OJ991014_10.0207.C13
Gene No.	50455	Strand	-
Start	8362	End	8713
Name	OJ991014_10.0207.C13.o2.tc	Method	TBLASTX:Cress
Start	8390	End	8713
GI	none	Score	152
Exons	8390..8530, 8409..8531, 8464..8544, 8530..8709, 8530..8712, 8534..8713		

Seq. No.	24254	Seq. ID	OJ991014_10.0207.C13
Gene No.	50455	Strand	-
Start	8362	End	8713
Name	OJ991014_10.0207.C13.o6.np	Method	AAT/NAP
Start	8411	End	8713
GI	131251	Score	473
Exons	8411..8713		
GI Descrip.	PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) gi|72661|pir||FMRZ32 photosystem II protein D1 precursor - rice chloroplast gi|11958|emb|CAA34007| (X15901) PSII 32kDa protein [Oryza sativa] gi|343212 (M36191) Q-B protein (psbA) [Oryza sativa] gi|226249|prf||1503143A psbA gene [Oryza sativa] gi|226406|prf||1510376A quinone bind		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50456	Strand	+
Start	7796	End	11999

Name	OJ991014_10.0207.C14.o4.gs	Method	GENSCAN
Start	7796	End	11999
GI	none	Score	.44
Exons	7796..8133, 8446..8518, 8591..8635, 8916..8951, 9270..9323, 10145..10255, 11232..11999		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50457	Strand	+
Start	15791	End	15861
Name	OJ991014_10.0207.C14.o6.gs	Method	GENSCAN
Start	15791	End	15861
GI	none	Score	.73
Exons	15791..15861		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50458	Strand	-
Start	1	End	515
Name	OJ991014_10.0207.C14.o1.np	Method	AAT/NAP
Start	1	End	515
GI	131256	Score	838
Exons	1..515		
GI Descrip.	PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) gi|6065764|emb|CAB58232.1| (X13327) herbicide-binding protein D1 [Secale cereale]		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50458	Strand	-
Start	1	End	515
Name	OJ991014_10.0207.C14.o1.gp	Method	AAT/GAP
Start	126	End	503
GI	24570_1.R1084	Score	710
Exons	126..503		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50459	Strand	-
Start	2762	End	3709
Name	OJ991014_10.0207.C14.o2.gs	Method	GENSCAN
Start	2762	End	3565
GI	none	Score	1
Exons	2762..3565		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50459	Strand	-
Start	2762	End	3709
Name	OJ991014_10.0207.C14.o2.np	Method	AAT/NAP
Start	2807	End	3709
GI	1657615	Score	681
Exons	2807..3406, 3536..3709		
GI Descrip.	(U72502) Glp [Arabidopsis thaliana] gi|3068706|gb|AAC14406.1| (AF049236) putative transmembrane protein Glp [Arabidopsis		

thaliana]

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50460	Strand	-
Start	4298	End	6869
Name	OJ991014_10.0207.C14.o3.gs	Method	GENSCAN
Start	4298	End	6802
GI	none	Score	.78
Exons	4298..4308, 4982..5072, 6464..6602, 6717..6802		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50460	Strand	-
Start	4298	End	6869
Name	OJ991014_10.0207.C14.o2.gp	Method	AAT/GAP
Start	4654	End	6869
GI	none	Score	1337
Exons	4654..5072, 6464..6602, 6717..6869		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o1.tc	Method	TBLASTX:Cress
Start	3	End	496
GI	none	Score	93
Exons	3..125, 3..119, 102..494, 121..495, 404..496		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o1.tm	Method	TBLASTX:Maize
Start	87	End	496
GI	none	Score	661
Exons	87..494, 88..495, 89..496		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o2.ts	Method	TBLASTX:Soybean
Start	268	End	495
GI	none	Score	350
Exons	268..495, 270..494		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o2.tc	Method	TBLASTX:Cress
Start	2882	End	3371
GI	none	Score	160
Exons	2882..3139, 2883..3140, 3134..3367, 3246..3371		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o5.ts	Method	TBLASTX:Soybean
Start	2882	End	3088
GI	none	Score	183
Exons	2882..3088, 2883..3086		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o3.ts	Method	TBLASTX:Soybean
Start	3089	End	3368
GI	none	Score	124
Exons	3089..3139, 3134..3367, 3246..3368		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o4.tm	Method	TBLASTX:Maize
Start	4906	End	6597
GI	none	Score	230
Exons	4906..5073, 4908..5075, 4929..5081, 6464..6595, 6465..6584, 6473..6595, 6556..6597		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o6.ts	Method	TBLASTX:Soybean
Start	4906	End	6616
GI	none	Score	175
Exons	4906..5073, 4914..5075, 6458..6610, 6461..6616		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o4.tc	Method	TBLASTX:Cress
Start	4908	End	6610
GI	none	Score	156
Exons	4908..5075, 4915..5073, 6461..6610		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o6.tm	Method	TBLASTX:Maize
Start	7307	End	7472
GI	none	Score	222
Exons	7307..7468, 7321..7470, 7329..7472, 7330..7467, 7338..7469		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o7.tm	Method	TBLASTX:Maize
Start	10133	End	10668
GI	none	Score	56
Exons	10133..10180, 10133..10177, 10135..10182, 10176..10268, 10177..10263, 10180..10275, 10181..10282, 10351..10380, 10407..10487, 10408..10485, 10411..10494, 10412..10525, 10612..10668, 10615..10668		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o3.tm	Method	TBLASTX:Maize

Start	11119	End	11681
GI	none	Score	39
Exons	11119..11142, 11218..11394, 11227..11406, 11228..11413, 11229..11408, 11471..11614, 11496..11612, 11597..11680, 11619..11681		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o5.tm	Method	TBLASTX:Maize
Start	11790	End	12000
GI	none	Score	93
Exons	11790..11918, 11792..11923, 11796..11936, 11804..11932, 11931..11999, 11941..12000		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o3.tc	Method	TBLASTX:Cress
Start	13167	End	14843
GI	none	Score	74
Exons	13167..13265, 13171..13266, 13309..13530, 13347..13529, 14173..14397, 14177..14302, 14461..14583, 14471..14599, 14679..14843		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o4.ts	Method	TBLASTX:Soybean
Start	13167	End	13533
GI	none	Score	66
Exons	13167..13265, 13171..13305, 13288..13533, 13347..13529		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o5.gs	Method	GENSCAN
Start	13167	End	14930
GI	none	Score	.93
Exons	13167..13503, 14174..14582, 14693..14930		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o3.np	Method	AAT/NAP
Start	13170	End	14906
GI	1362078	Score	865
Exons	13170..13530, 14174..14391, 14482..14582, 14693..14906		
GI Descrip.	endo-1,4-beta-D-glucanase, xyloglucan-specific (clone NXG1) - common nasturtium gi|311835|emb|CAA48324| (X68254) cellulase [Tropaeolum majus]		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o2.tm	Method	TBLASTX:Maize
Start	13413	End	14930

GI	none	Score	158
Exons	13413..13535, 13414..13530, 14173..14391, 14174..14314, 14302..14337, 14471..14584, 14479..14583, 14675..14818, 14689..14832, 14691..14831, 14916..14930		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o1.ts	Method	TBLASTX:Soybean
Start	14173	End	14843
GI	none	Score	43
Exons	14173..14241, 14186..14239, 14242..14397, 14249..14314, 14470..14583, 14486..14584, 14679..14843, 14731..14832		

Seq. No.	24255	Seq. ID	OJ991014_10.0207.C14
Gene No.	50461	Strand	-
Start	13167	End	14980
Name	OJ991014_10.0207.C14.o3.gp	Method	AAT/GAP
Start	14337	End	14980
GI	69647_1.R1084	Score	751
Exons	14337..14391, 14482..14582, 14693..14980		
GI Descrip.	'4883603/gb|AAD31572.1|AC006922_4 1.0e-18 (AC006922) putative xyloglucan endo-transglycosylase [Arabidopsis thaliana]'		

Seq. No.	24256	Seq. ID	OJ991014_10.0207.C15
Gene No.	50462	Strand	+
Start	3707	End	3928
Name	OJ991014_10.0207.C15.o1.gp	Method	AAT/GAP
Start	3707	End	3928
GI	4879106	Score	370
Exons	3707..3928		

Seq. No.	24256	Seq. ID	OJ991014_10.0207.C15
Gene No.	50463	Strand	+
Start	3952	End	4214
Name	OJ991014_10.0207.C15.o2.gp	Method	AAT/GAP
Start	3952	End	4214
GI	569182	Score	498
Exons	3952..4214		

Seq. No.	24256	Seq. ID	OJ991014_10.0207.C15
Gene No.	50464	Strand	-
Start	631	End	2768
Name	OJ991014_10.0207.C15.o1.gs	Method	GENSCAN
Start	631	End	2768
GI	none	Score	.82
Exons	631..795, 1163..1238, 2229..2768		

Seq. No.	24256	Seq. ID	OJ991014_10.0207.C15
Gene No.	50465	Strand	-
Start	3486	End	4267
Name	OJ991014_10.0207.C15.o2.gs	Method	GENSCAN
Start	3486	End	4267
GI	none	Score	.76
Exons	3486..3801, 4060..4267		

Seq. No.	24257	Seq. ID	OJ991014_10.0207.C16

Gene No.	50466	Strand	+
Start	552	End	651
Name	OJ991014_10.0207.C16.o1.np	Method	AAT/NAP
Start	552	End	651
GI	1169819	Score	54
Exons	552..651		
GI Descrip.	GAG POLYPROTEIN [CONTAINS: CORE PROTEIN P15; MAJOR CORE PROTEIN P24; NUCLEIC ACID BINDING PROTEIN P10] gi|290711 (L06136) gag polyprotein [Feline immunodeficiency virus] gi|290713 (L06311) gag polyprotein [Feline immunodeficiency virus]		

Seq. No.	24257	Seq. ID	OJ991014_10.0207.C16
Gene No.	50467	Strand	+
Start	556	End	651
Name	OJ991014_10.0207.C16.o1.gs	Method	GENSCAN
Start	556	End	651
GI	none	Score	.83
Exons	556..651		

Seq. No.	24258	Seq. ID	OJ991014_10.0207.C17
Gene No.	50468	Strand	+
Start	4961	End	5393
Name	OJ991014_10.0207.C17.o3.gs	Method	GENSCAN
Start	4961	End	5393
GI	none	Score	.72
Exons	4961..5054, 5095..5393		

Seq. No.	24258	Seq. ID	OJ991014_10.0207.C17
Gene No.	50469	Strand	-
Start	1	End	3249
Name	OJ991014_10.0207.C17.o1.gp	Method	AAT/GAP
Start	1	End	143
GI	37716_1.R1084	Score	225
Exons	1..143		
GI Descrip.	'1055224 3.0e-12 (U20977) cellular nucleic acid binding protein [Xenopus laevis]'		

Seq. No.	24258	Seq. ID	OJ991014_10.0207.C17
Gene No.	50469	Strand	-
Start	1	End	3249
Name	OJ991014_10.0207.C17.o1.np	Method	AAT/NAP
Start	1	End	3152
GI	4586116	Score	995
Exons	1..32, 957..1114, 2131..2453, 2823..3152		
GI Descrip.	(AL049638) putative C-4 sterol methyl oxidase [Arabidopsis thaliana]		

Seq. No.	24258	Seq. ID	OJ991014_10.0207.C17
Gene No.	50469	Strand	-
Start	1	End	3249
Name	OJ991014_10.0207.C17.o2.gp	Method	AAT/GAP
Start	318	End	2345
GI	79169_1.R1084	Score	1286
Exons	318..672, 840..872, 967..1114, 2131..2345		
GI Descrip.	'4680189/gb|AF111710.1|AF111710 3.0e-34 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical		

protein genes, complete cds'

Seq. No.	24258	Seq. ID	OJ991014_10.0207.C17
Gene No.	50469	Strand	-
Start	1	End	3249
Name	OJ991014_10.0207.C17.o1.gs	Method	GENSCAN
Start	601	End	2453
GI	none	Score	.69
Exons	601..672, 840..872, 967..1114, 2131..2453		

Seq. No.	24258	Seq. ID	OJ991014_10.0207.C17
Gene No.	50469	Strand	-
Start	1	End	3249
Name	OJ991014_10.0207.C17.o2.gs	Method	GENSCAN
Start	2700	End	3152
GI	none	Score	.9
Exons	2700..3152		

Seq. No.	24258	Seq. ID	OJ991014_10.0207.C17
Gene No.	50469	Strand	-
Start	1	End	3249
Name	OJ991014_10.0207.C17.o3.gp	Method	AAT/GAP
Start	3028	End	3249
GI	286268	Score	427
Exons	3028..3249		

Seq. No.	24258	Seq. ID	OJ991014_10.0207.C17
Gene No.	50470	Strand	-
Start	6065	End	6841
Name	OJ991014_10.0207.C17.o1.tm	Method	TBLASTX:Maize
Start	583	End	3227
GI	none	Score	85
Exons	583..684, 584..670, 588..677, 823..873, 837..875, 967..1113, 968..1114, 2128..2364, 2129..2278, 2131..2451, 2132..2371, 2133..2459, 2823..3227, 2824..3084		

Seq. No.	24258	Seq. ID	OJ991014_10.0207.C17
Gene No.	50470	Strand	-
Start	6065	End	6841
Name	OJ991014_10.0207.C17.o1.tw	Method	TBLASTX:Wheat
Start	837	End	2289
GI	none	Score	129
Exons	837..875, 967..1113, 968..1105, 2131..2289, 2133..2288		

Seq. No.	24258	Seq. ID	OJ991014_10.0207.C17
Gene No.	50470	Strand	-
Start	6065	End	6841
Name	OJ991014_10.0207.C17.o1.ts	Method	TBLASTX:Soybean
Start	1000	End	2904
GI	none	Score	115
Exons	1000..1113, 1001..1111, 2127..2387, 2128..2454, 2128..2364, 2129..2368, 2133..2462, 2805..2837, 2820..2903, 2833..2904		

Seq. No.	24258	Seq. ID	OJ991014 10.0207.C17
Gene No.	50470	Strand	-
Start	6065	End	6841
Name	OJ991014_10.0207.C17.o1.tc	Method	TBLASTX:Cress

Start	2151	End	3152
GI	none	Score	264
Exons	2151..2462, 2161..2454, 2820..2945, 2973..3152		

Seq. No.	24258	Seq. ID	OJ991014_10.0207.C17
Gene No.	50470	Strand	-
Start	6065	End	6841
Name	OJ991014_10.0207.C17.o4.gs	Method	GENSCAN
Start	6065	End	6841
GI	none	Score	.8
Exons	6065..6205, 6550..6709, 6711..6841		

Seq. No.	24259	Seq. ID	OJ991014_10.0207.C18
Gene No.	50471	Strand	-
Start	17	End	1669
Name	OJ991014_10.0207.C18.o1.gs	Method	GENSCAN
Start	17	End	1625
GI	none	Score	.6
Exons	17..214, 931..1028, 1152..1239, 1416..1625		

Seq. No.	24259	Seq. ID	OJ991014_10.0207.C18
Gene No.	50471	Strand	-
Start	17	End	1669
Name	OJ991014_10.0207.C18.o1.tm	Method	TBLASTX:Maize
Start	919	End	1255
GI	none	Score	124
Exons	919..1032, 931..1029, 1150..1248, 1151..1255, 1154..1255		

Seq. No.	24259	Seq. ID	OJ991014_10.0207.C18
Gene No.	50471	Strand	-
Start	17	End	1669
Name	OJ991014_10.0207.C18.o1.gp	Method	AAT/GAP
Start	1376	End	1669
GI	none	Score	588
Exons	1376..1669		

Seq. No.	24260	Seq. ID	OJ991014_10.0207.C19
Gene No.	50472	Strand	+
Start	66	End	217
Name	OJ991014_10.0207.C19.o1.gs	Method	GENSCAN
Start	66	End	217
GI	none	Score	.98
Exons	66..217		

Seq. No.	24261	Seq. ID	OJ991014_10.0207.C20
Gene No.	50473	Strand	-
Start	24	End	2498
Name	OJ991014_10.0207.C20.o1.gp	Method	AAT/GAP
Start	24	End	1233
GI	2595_2.R1084	Score	1655
Exons	24..827, 1184..1233		
GI Descrip.	'3258575 3.0e-27 (U89959) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	24261	Seq. ID	OJ991014_10.0207.C20
Gene No.	50473	Strand	-
Start	24	End	2498

Name	OJ991014_10.0207.C20.o1.gs	Method	GENSCAN
Start	553	End	2494
GI	none	Score	.99
Exons	553..827, 1184..1466, 1502..2494		

Seq. No.	24261	Seq. ID	OJ991014_10.0207.C20
Gene No.	50473	Strand	-
Start	24	End	2498
Name	OJ991014_10.0207.C20.o3.tm	Method	TBLASTX:Maize
Start	557	End	772
GI	none	Score	147
Exons	557..661, 565..660, 664..771, 665..772		

Seq. No.	24261	Seq. ID	OJ991014_10.0207.C20
Gene No.	50473	Strand	-
Start	24	End	2498
Name	OJ991014_10.0207.C20.o2.tw	Method	TBLASTX:Wheat
Start	563	End	766
GI	none	Score	278
Exons	563..766, 565..765		

Seq. No.	24261	Seq. ID	OJ991014_10.0207.C20
Gene No.	50473	Strand	-
Start	24	End	2498
Name	OJ991014_10.0207.C20.o1.np	Method	AAT/NAP
Start	568	End	2494
GI	3258575	Score	1265
Exons	568..827, 1184..1373, 1502..2494		
GI Descrip.	(U89959) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24261	Seq. ID	OJ991014_10.0207.C20
Gene No.	50473	Strand	-
Start	24	End	2498
Name	OJ991014_10.0207.C20.o3.ts	Method	TBLASTX:Soybean
Start	625	End	874
GI	none	Score	128
Exons	625..825, 629..874		

Seq. No.	24261	Seq. ID	OJ991014_10.0207.C20
Gene No.	50473	Strand	-
Start	24	End	2498
Name	OJ991014_10.0207.C20.o1.ts	Method	TBLASTX:Soybean
Start	1257	End	1639
GI	none	Score	109
Exons	1257..1376, 1267..1374, 1493..1639		

Seq. No.	24261	Seq. ID	OJ991014_10.0207.C20
Gene No.	50473	Strand	-
Start	24	End	2498
Name	OJ991014_10.0207.C20.o4.tm	Method	TBLASTX:Maize
Start	1257	End	1639
GI	none	Score	92
Exons	1257..1376, 1273..1374, 1493..1639, 1500..1628		

Seq. No.	24261	Seq. ID	OJ991014_10.0207.C20
Gene No.	50473	Strand	-
Start	24	End	2498

Name	OJ991014_10.0207.C20.o2.gp	Method	AAT/GAP
Start	1556	End	1918
GI	none	Score	718
Exons	1556..1918		

Seq. No.	24261	Seq. ID	OJ991014_10.0207.C20
Gene No.	50473	Strand	-
Start	24	End	2498
Name	OJ991014_10.0207.C20.o1.tm	Method	TBLASTX:Maize
Start	1653	End	2194
GI	none	Score	76
Exons	1653..1703, 1655..1729, 1808..1837, 1809..1841, 1850..2194, 1883..2002, 1911..2192		

Seq. No.	24261	Seq. ID	OJ991014_10.0207.C20
Gene No.	50473	Strand	-
Start	24	End	2498
Name	OJ991014_10.0207.C20.o3.gp	Method	AAT/GAP
Start	2035	End	2332
GI	uC-osrocyp008e08b1	Score	557
Exons	2035..2332		
GI Descrip.	'3258575 2.0e-28 (U89959) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	24261	Seq. ID	OJ991014_10.0207.C20
Gene No.	50473	Strand	-
Start	24	End	2498
Name	OJ991014_10.0207.C20.o1.tw	Method	TBLASTX:Wheat
Start	2205	End	2498
GI	none	Score	366
Exons	2205..2498, 2207..2476		

Seq. No.	24261	Seq. ID	OJ991014_10.0207.C20
Gene No.	50473	Strand	-
Start	24	End	2498
Name	OJ991014_10.0207.C20.o2.tm	Method	TBLASTX:Maize
Start	2208	End	2489
GI	none	Score	406
Exons	2208..2489, 2210..2476		

Seq. No.	24261	Seq. ID	OJ991014_10.0207.C20
Gene No.	50473	Strand	-
Start	24	End	2498
Name	OJ991014_10.0207.C20.o2.ts	Method	TBLASTX:Soybean
Start	2216	End	2471
GI	none	Score	45
Exons	2216..2302, 2220..2297, 2300..2470, 2304..2471		

Seq. No.	24261	Seq. ID	OJ991014_10.0207.C20
Gene No.	50473	Strand	-
Start	24	End	2498
Name	OJ991014_10.0207.C20.o1.tc	Method	TBLASTX:Cress
Start	2319	End	2495
GI	none	Score	168
Exons	2319..2495, 2321..2473		

Seq. No.	24262	Seq. ID	OJ991014_10.0207.C21

Gene No.	50474	Strand	+
Start	8549	End	8983
Name	OJ991014_10.0207.C21.o1.gp	Method	AAT/GAP
Start	8549	End	8983
GI	LIB3479-006-Q6-K1-B11	Score	621
Exons	8549..8983		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	24262	Seq. ID	OJ991014_10.0207.C21
Gene No.	50475	Strand	+
Start	10771	End	11803
Name	OJ991014_10.0207.C21.o3.gs	Method	GENSCAN
Start	10771	End	11803
GI	none	Score	.64
Exons	10771..10857, 11145..11203, 11505..11526, 11622..11803		

Seq. No.	24262	Seq. ID	OJ991014_10.0207.C21
Gene No.	50476	Strand	-
Start	2314	End	3090
Name	OJ991014_10.0207.C21.o1.gs	Method	GENSCAN
Start	2314	End	3090
GI	none	Score	.9
Exons	2314..3090		

Seq. No.	24262	Seq. ID	OJ991014_10.0207.C21
Gene No.	50477	Strand	-
Start	8326	End	8764
Name	OJ991014_10.0207.C21.o1.np	Method	AAT/NAP
Start	8326	End	8764
GI	6539570	Score	231
Exons	8326..8396, 8562..8764		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	24262	Seq. ID	OJ991014_10.0207.C21
Gene No.	50478	Strand	-
Start	8891	End	9652
Name	OJ991014_10.0207.C21.o1.tw	Method	TBLASTX:Wheat
Start	5638	End	5830
GI	none	Score	182
Exons	5638..5790, 5645..5830		

Seq. No.	24262	Seq. ID	OJ991014_10.0207.C21
Gene No.	50478	Strand	-
Start	8891	End	9652
Name	OJ991014_10.0207.C21.o1.tm	Method	TBLASTX:Maize
Start	5639	End	6082
GI	none	Score	180
Exons	5639..5851, 5645..5866, 5870..6082		

Seq. No.	24262	Seq. ID	OJ991014_10.0207.C21
Gene No.	50478	Strand	-
Start	8891	End	9652
Name	OJ991014_10.0207.C21.o2.np	Method	AAT/NAP
Start	8891	End	9652
GI	6630699	Score	94
Exons	8891..8977, 9382..9652		

GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	24263	Seq. ID	OJ991014_10.0207.C22
Gene No.	50479	Strand	+
Start	1769	End	2323
Name	OJ991014_10.0207.C22.o1.gs	Method	GENSCAN
Start	1769	End	2323
GI	none	Score	.45
Exons	1769..2323		
Seq. No.	24263	Seq. ID	OJ991014_10.0207.C22
Gene No.	50480	Strand	
Start	2276	End	2473
Name	OJ991014_10.0207.C22.o1.tm	Method	TBLASTX:Maize
Start	2276	End	2473
GI	none	Score	187
Exons	2276..2473, 2291..2473		
Seq. No.	24264	Seq. ID	OJ991014_10.0207.C23
Gene No.	50481	Strand	+
Start	50	End	917
Name	OJ991014_10.0207.C23.o2.tm	Method	TBLASTX:Maize
Start	2	End	176
GI	none	Score	111
Exons	2..88, 3..77, 83..175, 84..176		
Seq. No.	24264	Seq. ID	OJ991014_10.0207.C23
Gene No.	50481	Strand	+
Start	50	End	917
Name	OJ991014_10.0207.C23.o1.gs	Method	GENSCAN
Start	50	End	908
GI	none	Score	.94
Exons	50..908		
Seq. No.	24264	Seq. ID	OJ991014_10.0207.C23
Gene No.	50481	Strand	+
Start	50	End	917
Name	OJ991014_10.0207.C23.o1.tm	Method	TBLASTX:Maize
Start	177	End	917
GI	none	Score	50
Exons	177..719, 181..240, 185..712, 264..722, 572..721, 749..835, 758..901, 765..917, 774..917		
Seq. No.	24264	Seq. ID	OJ991014_10.0207.C23
Gene No.	50481	Strand	+
Start	50	End	917
Name	OJ991014_10.0207.C23.o1.gp	Method	AAT/GAP
Start	300	End	789
GI	none	Score	956
Exons	300..789		
Seq. No.	24265	Seq. ID	OJ991014_10.0207.C24
Gene No.	50482	Strand	-
Start	1	End	1249
Name	OJ991014_10.0207.C24.o1.np	Method	AAT/NAP

Start	1	End	1249
GI	2191144	Score	191
Exons	1..164, 933..1249		
GI Descrip.	(AF007269) A_IG002N01.24 gene product [Arabidopsis thaliana]		

Seq. No.	24265	Seq. ID	OJ991014_10.0207.C24
Gene No.	50482	Strand	-
Start	1	End	1249
Name	OJ991014_10.0207.C24.o1.gs	Method	GENSCAN
Start	927	End	1247
GI	none	Score	.9
Exons	927..1247		

Seq. No.	24265	Seq. ID	OJ991014_10.0207.C24
Gene No.	50482	Strand	-
Start	1	End	1249
Name	OJ991014_10.0207.C24.o1.ts	Method	TBLASTX:Soybean
Start	1023	End	1249
GI	none	Score	38
Exons	1023..1121, 1094..1180, 1101..1181, 1188..1247, 1196..1249		

Seq. No.	24265	Seq. ID	OJ991014_10.0207.C24
Gene No.	50482	Strand	-
Start	1	End	1249
Name	OJ991014_10.0207.C24.o1.tm	Method	TBLASTX:Maize
Start	1065	End	1248
GI	none	Score	216
Exons	1065..1247, 1065..1247, 1144..1248		

Seq. No.	24266	Seq. ID	OJ991014_10.0207.C25
Gene No.	50483	Strand	-
Start	486	End	3073
Name	OJ991014_10.0207.C25.o1.np	Method	AAT/NAP
Start	486	End	3073
GI	4510427	Score	594
Exons	486..644, 1052..1138, 1394..1483, 1776..1865, 1959..2023, 2259..2337, 2636..2707, 2787..2954, 3012..3073		
GI Descrip.	(AC006929) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24266	Seq. ID	OJ991014_10.0207.C25
Gene No.	50483	Strand	-
Start	486	End	3073
Name	OJ991014_10.0207.C25.o1.gs	Method	GENSCAN
Start	525	End	2954
GI	none	Score	.79
Exons	525..644, 1052..1138, 1394..1461, 2259..2337, 2636..2707, 2787..2954		

Seq. No.	24267	Seq. ID	OJ991014_10.0207.C26
Gene No.	50484	Strand	-
Start	677	End	1226
Name	OJ991014_10.0207.C26.o1.gs	Method	GENSCAN
Start	677	End	1226
GI	none	Score	.59
Exons	677..693, 1181..1226		

Seq. No.	24268	Seq. ID	OJ991014_10.0207.C27

Gene No.	50485	Strand	+
Start	1	End	647
Name	OJ991014_10.0207.C27.o1.gp	Method	AAT/GAP
Start	1	End	647
GI	37716_1.R1084	Score	1207
Exons	1..647		
GI Descrip.	'1055224 3.0e-12 (U20977) cellular nucleic acid binding protein [Xenopus laevis]'		

Seq. No.	24268	Seq. ID	OJ991014_10.0207.C27
Gene No.	50486	Strand	-
Start	125	End	660
Name	OJ991014_10.0207.C27.o1.ts	Method	TBLASTX:Soybean
Start	97	End	658
GI	none	Score	104
Exons	97..189, 104..190, 115..177, 118..177, 127..177, 127..174, 127..177, 133..189, 133..177, 151..249, 178..243, 190..240, 193..261, 193..258, 196..249, 196..261, 271..372, 274..630, 304..351, 304..465, 305..631, 307..465, 307..420, 307..351, 308..463, 358..405, 364..405, 370..465, 419..631, 421..465, 421..477, 481..543, 496..657, 497..601, 499..651, 499..543, 499..630, 505..630, 509..658, 556..600		

Seq. No.	24268	Seq. ID	OJ991014_10.0207.C27
Gene No.	50486	Strand	-
Start	125	End	660
Name	OJ991014_10.0207.C27.o1.np	Method	AAT/NAP
Start	125	End	591
GI	729704	Score	145
Exons	125..591		
GI Descrip.	DNA-BINDING PROTEIN HEXBP (HEXAMER-BINDING PROTEIN) gi|1078700|pir||A47156 hexamer-binding protein HEXBP - Leishmania major gi|159342 (M94390) HEXBP DNA binding protein [Leishmania major]		

Seq. No.	24268	Seq. ID	OJ991014_10.0207.C27
Gene No.	50486	Strand	-
Start	125	End	660
Name	OJ991014_10.0207.C27.o1.tm	Method	TBLASTX:Maize
Start	130	End	660
GI	none	Score	53
Exons	130..177, 133..189, 133..177, 190..240, 196..249, 196..249, 237..278, 238..267, 256..591, 257..592, 484..600, 499..660, 553..630, 556..630		

Seq. No.	24269	Seq. ID	OJ991014_10.0207.C29
Gene No.	50487	Strand	+
Start	165	End	675
Name	OJ991014_10.0207.C29.o1.tm	Method	TBLASTX:Maize
Start	162	End	635
GI	none	Score	229
Exons	162..329, 163..315, 590..634, 594..635		

Seq. No.	24269	Seq. ID	OJ991014_10.0207.C29
Gene No.	50487	Strand	+
Start	165	End	675
Name	OJ991014_10.0207.C29.o1.gs	Method	GENSCAN

Start	165	End	675
GI	none	Score	.89
Exons	165..316, 596..675		

Seq. No.	24270	Seq. ID	OJ991014_10.0207.C30
Gene No.	50488	Strand	+
Start	1	End	651
Name	OJ991014_10.0207.C30.o1.np	Method	AAT/NAP
Start	1	End	651
GI	2191144	Score	159
Exons	1..24, 212..427, 600..651		
GI Descrip.	(AF007269) A_IG002N01.24 gene product [Arabidopsis thaliana]		

Seq. No.	24270	Seq. ID	OJ991014_10.0207.C30
Gene No.	50488	Strand	+
Start	1	End	651
Name	OJ991014_10.0207.C30.o1.ts	Method	TBLASTX:Soybean
Start	203	End	384
GI	none	Score	185
Exons	203..382, 226..384, 226..381		

Seq. No.	24270	Seq. ID	OJ991014_10.0207.C30
Gene No.	50488	Strand	+
Start	1	End	651
Name	OJ991014_10.0207.C30.o1.tm	Method	TBLASTX:Maize
Start	210	End	404
GI	none	Score	204
Exons	210..404, 212..400		

Seq. No.	24270	Seq. ID	OJ991014_10.0207.C30
Gene No.	50488	Strand	+
Start	1	End	651
Name	OJ991014_10.0207.C30.o1.gs	Method	GENSCAN
Start	212	End	400
GI	none	Score	.71
Exons	212..400		

Seq. No.	24271	Seq. ID	OJ991014_10.0207.C31
Gene No.	50489	Strand	+
Start	3265	End	4533
Name	OJ991014_10.0207.C31.o1.gs	Method	GENSCAN
Start	3265	End	4533
GI	none	Score	.68
Exons	3265..3436, 3442..3568, 3703..3904, 4043..4186, 4432..4533		

Seq. No.	24271	Seq. ID	OJ991014_10.0207.C31
Gene No.	50490	Strand	-
Start	4809	End	8943
Name	OJ991014_10.0207.C31.o2.gs	Method	GENSCAN
Start	4809	End	7899
GI	none	Score	.92
Exons	4809..4934, 5252..5266, 5911..6073, 6232..6314, 6624..6731, 7053..7154, 7490..7687, 7820..7899		

Seq. No.	24271	Seq. ID	OJ991014_10.0207.C31
Gene No.	50490	Strand	-
Start	4809	End	8943

Name	OJ991014_10.0207.C31.o1.tm	Method	TBLASTX:Maize
Start	5208	End	6912
GI	none	Score	66
Exons	5208..5267, 5210..5272, 5907..6065, 5911..6078, 5912..6103, 5914..6078, 6229..6315, 6229..6315, 6231..6317, 6619..6732, 6621..6731, 6791..6904, 6799..6906, 6799..6912		

Seq. No.	24271	Seq. ID	OJ991014_10.0207.C31
Gene No.	50490	Strand	-
Start	4809	End	8943
Name	OJ991014_10.0207.C31.o1.np	Method	AAT/NAP
Start	5240	End	8943
GI	6630733	Score	1330
Exons	5240..5266, 5911..6073, 6232..6314, 6624..6731, 6802..6942, 7053..7154, 7490..7712, 7808..8113, 8896..8943		
GI Descrip.	(AL132958) Cytochrom P450-like protein [Arabidopsis thaliana]		

Seq. No.	24271	Seq. ID	OJ991014_10.0207.C31
Gene No.	50490	Strand	-
Start	4809	End	8943
Name	OJ991014_10.0207.C31.o1.ts	Method	TBLASTX:Soybean
Start	5911	End	7958
GI	none	Score	101
Exons	5911..5955, 5965..6078, 5966..6079, 6005..6079, 6627..6686, 6681..6731, 6799..6951, 7053..7142, 7482..7580, 7599..7694, 7812..7958, 7817..7954		

Seq. No.	24271	Seq. ID	OJ991014_10.0207.C31
Gene No.	50490	Strand	-
Start	4809	End	8943
Name	OJ991014_10.0207.C31.o1.tc	Method	TBLASTX:Cress
Start	5914	End	7160
GI	none	Score	69
Exons	5914..6066, 5965..6078, 5966..6079, 6627..6686, 6799..6951, 7053..7160, 7059..7118		

Seq. No.	24271	Seq. ID	OJ991014_10.0207.C31
Gene No.	50490	Strand	-
Start	4809	End	8943
Name	OJ991014_10.0207.C31.o2.tc	Method	TBLASTX:Cress
Start	7488	End	7670
GI	none	Score	199
Exons	7488..7670, 7490..7669		

Seq. No.	24272	Seq. ID	OJ991014_10.0207.C32
Gene No.	50491	Strand	-
Start	1	End	769
Name	OJ991014_10.0207.C32.o1.np	Method	AAT/NAP
Start	1	End	769
GI	6630733	Score	416
Exons	1..400, 609..769		
GI Descrip.	(AL132958) Cytochrom P450-like protein [Arabidopsis thaliana]		

Seq. No.	24272	Seq. ID	OJ991014_10.0207.C32
Gene No.	50492	Strand	-
Start	1312	End	3386
Name	OJ991014_10.0207.C32.o1.tm	Method	TBLASTX:Maize

Start	53	End	424
GI	none	Score	344
Exons	53..364, 54..377, 338..424, 353..418		

Seq. No.	24272	Seq. ID	OJ991014_10.0207.C32
Gene No.	50492	Strand	-
Start	1312	End	3386
Name	OJ991014_10.0207.C32.o1.ts	Method	TBLASTX:Soybean
Start	53	End	409
GI	none	Score	110
Exons	53..136, 54..137, 71..148, 140..229, 140..337, 153..347, 299..367, 344..409, 353..400		

Seq. No.	24272	Seq. ID	OJ991014_10.0207.C32
Gene No.	50492	Strand	-
Start	1312	End	3386
Name	OJ991014_10.0207.C32.o2.np	Method	AAT/NAP
Start	1312	End	3386
GI	5042463	Score	96
Exons	1312..1479, 2113..2308, 2360..2531, 3195..3386		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	24273	Seq. ID	OJ991014_10.0207.C33
Gene No.	50493	Strand	+
Start	214	End	3101
Name	OJ991014_10.0207.C33.o1.gs	Method	GENSCAN
Start	214	End	3101
GI	none	Score	.65
Exons	214..323, 1121..1227, 1778..1882, 3058..3101		

Seq. No.	24273	Seq. ID	OJ991014_10.0207.C33
Gene No.	50494	Strand	+
Start	4387	End	5809
Name	OJ991014_10.0207.C33.o1.gp	Method	AAT/GAP
Start	4243	End	4901
GI	none	Score	1295
Exons	4243..4901		

Seq. No.	24273	Seq. ID	OJ991014_10.0207.C33
Gene No.	50494	Strand	+
Start	4387	End	5809
Name	OJ991014_10.0207.C33.o1.np	Method	AAT/NAP
Start	4387	End	4732
GI	1841320	Score	83
Exons	4387..4481, 4514..4732		
GI Descrip.	(D64038) EL2 [Oryza sativa]		

Seq. No.	24273	Seq. ID	OJ991014_10.0207.C33
Gene No.	50494	Strand	+
Start	4387	End	5809
Name	OJ991014_10.0207.C33.o2.gs	Method	GENSCAN
Start	4387	End	5809
GI	none	Score	.49
Exons	4387..4749, 5315..5475, 5560..5809		

Seq. No.	24273	Seq. ID	OJ991014_10.0207.C33
Gene No.	50495	Strand	-

Start	6397	End	7682
Name	OJ991014_10.0207.C33.o2.gp	Method	AAT/GAP
Start	6160	End	6712
GI	uC-osroM202033g02a1	Score	699
Exons	6160..6507, 6609..6712		
GI Descrip.	'4510425/gb|AAD21511.1| 8.0e-28 (AC006929) unknown protein [Arabidopsis thaliana]'		

Seq. No.	24273	Seq. ID	OJ991014_10.0207.C33
Gene No.	50495	Strand	-
Start	6397	End	7682
Name	OJ991014_10.0207.C33.o3.gp	Method	AAT/GAP
Start	6336	End	6893
GI	uC-osroM202033g02a1	Score	502
Exons	6336..6507, 6609..6659, 6836..6893		
GI Descrip.	'4510425/gb|AAD21511.1| 8.0e-28 (AC006929) unknown protein [Arabidopsis thaliana]'		

Seq. No.	24273	Seq. ID	OJ991014_10.0207.C33
Gene No.	50495	Strand	-
Start	6397	End	7682
Name	OJ991014_10.0207.C33.o1.tm	Method	TBLASTX:Maize
Start	6358	End	7132
GI	none	Score	93
Exons	6358..6507, 6396..6509, 6398..6466, 6466..6507, 6606..6662, 6609..6665, 6828..6920, 6836..6949, 6837..6929, 6994..7122, 6994..7122, 6996..7130, 7007..7132, 7008..7130		

Seq. No.	24273	Seq. ID	OJ991014_10.0207.C33
Gene No.	50495	Strand	-
Start	6397	End	7682
Name	OJ991014_10.0207.C33.o2.np	Method	AAT/NAP
Start	6397	End	7662
GI	4510425	Score	471
Exons	6397..6507, 6609..6659, 6836..6913, 7002..7121, 7603..7662		
GI Descrip.	(AC006929) unknown protein [Arabidopsis thaliana]		

Seq. No.	24273	Seq. ID	OJ991014_10.0207.C33
Gene No.	50495	Strand	-
Start	6397	End	7682
Name	OJ991014_10.0207.C33.o3.gs	Method	GENSCAN
Start	6397	End	7675
GI	none	Score	.84
Exons	6397..6507, 6836..6913, 7053..7121, 7603..7675		

Seq. No.	24273	Seq. ID	OJ991014_10.0207.C33
Gene No.	50495	Strand	-
Start	6397	End	7682
Name	OJ991014_10.0207.C33.o1.tc	Method	TBLASTX:Cress
Start	6406	End	7672
GI	none	Score	66
Exons	6406..6507, 6609..6665, 6612..6662, 6836..6949, 6840..6929, 6994..7122, 6996..7124, 7600..7671, 7601..7672		

Seq. No.	24273	Seq. ID	OJ991014_10.0207.C33
Gene No.	50495	Strand	-
Start	6397	End	7682

Name	OJ991014_10.0207.C33.o1.ts	Method	TBLASTX:Soybean
Start	6409	End	7682
GI	none	Score	68
Exons	6409..6507, 6410..6526, 6410..6508, 6607..6660, 6609..6665, 6836..6949, 6840..6929, 6994..7116, 6996..7124, 7013..7132, 7600..7674, 7601..7672, 7602..7682		

Seq. No.	24274	Seq. ID	OJ991014_10.0207.C35
Gene No.	50496	Strand	+
Start	1	End	838
Name	OJ991014_10.0207.C35.o1.np	Method	AAT/NAP
Start	1	End	838
GI	4510426	Score	285
Exons	1..248, 330..393, 471..573, 687..838		
GI Descrip.	(AC006929) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24274	Seq. ID	OJ991014_10.0207.C35
Gene No.	50496	Strand	+
Start	1	End	838
Name	OJ991014_10.0207.C35.o1.gs	Method	GENSCAN
Start	19	End	393
GI	none	Score	.54
Exons	19..155, 306..393		

Seq. No.	24274	Seq. ID	OJ991014_10.0207.C35
Gene No.	50496	Strand	+
Start	1	End	838
Name	OJ991014_10.0207.C35.o1.ts	Method	TBLASTX:Soybean
Start	37	End	742
GI	none	Score	164
Exons	37..249, 325..393, 334..396, 410..523, 456..533, 465..551, 469..567, 689..742		

Seq. No.	24274	Seq. ID	OJ991014_10.0207.C35
Gene No.	50496	Strand	+
Start	1	End	838
Name	OJ991014_10.0207.C35.o1.tm	Method	TBLASTX:Maize
Start	55	End	392
GI	none	Score	279
Exons	55..249, 68..250, 325..390, 327..392, 327..362, 328..390		

Seq. No.	24274	Seq. ID	OJ991014_10.0207.C35
Gene No.	50496	Strand	+
Start	1	End	838
Name	OJ991014_10.0207.C35.o1.gp	Method	AAT/GAP
Start	107	End	799
GI	uC-osroM202033g02b1	Score	723
Exons	107..248, 330..393, 471..573, 687..799		
GI Descrip.	'4510426/gb|AAD21512.1| 4.0e-33 (AC006929) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50497	Strand	+
Start	334	End	777
Name	OJ991214_14.0204.C1.o1.gp	Method	AAT/GAP
Start	334	End	777
GI	2311721	Score	603

Exons	334..388, 503..777		
GI Descrip.	5672526/dbj|AP000384.1|AP000384 9.0e-09 Arabidopsis thaliana genomic DNA, chromosome 3, P1 clone:MCE21, complete sequence		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50497	Strand	+
Start	334	End	777
Name	OJ991214_14.0204.C1.o1.gs	Method	GENSCAN
Start	334	End	604
GI	none	Score	.52
Exons	334..388, 503..604		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50498	Strand	+
Start	13300	End	25189
Name	OJ991214_14.0204.C1.o3.gs	Method	GENSCAN
Start	13300	End	21445
GI	none	Score	.52
Exons	13300..13419, 13625..13666, 14003..14131, 14858..14971, 18203..18336, 18415..18463, 18469..18844, 19251..19493, 19521..19780, 19797..20084, 20426..20620, 20897..21067, 21119..21445		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50498	Strand	+
Start	13300	End	25189
Name	OJ991214_14.0204.C1.o2.np	Method	AAT/NAP
Start	20423	End	25189
GI	4206306	Score	2678
Exons	20423..20511, 21520..24848, 25166..25189		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50499	Strand	+
Start	31530	End	33180
Name	OJ991214_14.0204.C1.o6.gs	Method	GENSCAN
Start	31530	End	33180
GI	none	Score	.61
Exons	31530..31578, 31819..32096, 32261..32423, 32494..32571, 32645..33180		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50500	Strand	+
Start	43527	End	43790
Name	OJ991214_14.0204.C1.o8.gs	Method	GENSCAN
Start	43527	End	43790
GI	none	Score	.4
Exons	43527..43570, 43634..43790		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50501	Strand	+
Start	60421	End	60957
Name	OJ991214_14.0204.C1.o4.gp	Method	AAT/GAP
Start	60421	End	60957
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	60421..60492, 60920..60957		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY		

S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50502	Strand	+
Start	68901	End	69269
Name	OJ991214_14.0204.C1.o14.gs	Method	GENSCAN
Start	68901	End	69269
GI	none	Score	.52
Exons	68901..69269		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50503	Strand	-
Start	3299	End	12156
Name	OJ991214_14.0204.C1.o2.gs	Method	GENSCAN
Start	3299	End	12156
GI	none	Score	.92
Exons	3299..3306, 6722..6803, 8438..8486, 8650..8794, 8885..9143, 9274..9485, 9576..9741, 11518..12156		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50503	Strand	-
Start	3299	End	12156
Name	OJ991214_14.0204.C1.o1.np	Method	AAT/NAP
Start	8021	End	11820
GI	4200165	Score	1951
Exons	8021..8341, 8438..8486, 8650..9143, 9274..9485, 9576..9741, 11518..11820		
GI Descrip.	(Y16262) neutral invertase [Daucus carota]		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50504	Strand	-
Start	25808	End	30011
Name	OJ991214_14.0204.C1.o5.gs	Method	GENSCAN
Start	25808	End	30011
GI	none	Score	.66
Exons	25808..26215, 26479..26616, 26625..27287, 27358..27878, 27947..28261, 28350..28578, 28633..28890, 29160..29229, 29718..29847, 29891..30011		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50505	Strand	-
Start	35915	End	40228
Name	OJ991214_14.0204.C1.o3.np	Method	AAT/NAP
Start	35915	End	40228
GI	2586082	Score	4459
Exons	35915..40228		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50506	Strand	-
Start	45849	End	46305
Name	OJ991214_14.0204.C1.o9.gs	Method	GENSCAN
Start	45849	End	46305
GI	none	Score	.57
Exons	45849..45974, 46195..46305		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50507	Strand	-
Start	47944	End	52583
Name	OJ991214_14.0204.C1.o10.gs	Method	GENSCAN
Start	47944	End	52376
GI	none	Score	.89
Exons	47944..48027, 50040..50313, 50932..51739, 52226..52376		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50507	Strand	-
Start	47944	End	52583
Name	OJ991214_14.0204.C1.o4.np	Method	AAT/NAP
Start	50840	End	52400
GI	1002800	Score	639
Exons	50840..50945, 51430..51739, 52226..52400		
GI Descrip.	(U33917) Cpm7 [Craterostigma plantagineum]		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50507	Strand	-
Start	47944	End	52583
Name	OJ991214_14.0204.C1.o3.gp	Method	AAT/GAP
Start	51622	End	52583
GI	uC-osrocyp014d02b1	Score	892
Exons	51622..51739, 52226..52583		
GI Descrip.	'1002800 2.0e-33 (U33917) Cpm7 [Craterostigma plantagineum]'		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50508	Strand	-
Start	52824	End	53364
Name	OJ991214_14.0204.C1.o11.gs	Method	GENSCAN
Start	52824	End	53364
GI	none	Score	.78
Exons	52824..52954, 53037..53120, 53190..53364		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50509	Strand	-
Start	54803	End	56590
Name	OJ991214_14.0204.C1.o12.gs	Method	GENSCAN
Start	54803	End	56590
GI	none	Score	.7
Exons	54803..54989, 55661..55723, 56053..56225, 56498..56590		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50510	Strand	-
Start	73891	End	80055
Name	OJ991214_14.0204.C1.o16.gs	Method	GENSCAN
Start	73891	End	80055
GI	none	Score	.74
Exons	73891..74332, 74349..74401, 75096..75165, 75620..75729, 76305..76391, 76475..76585, 76672..76953, 77172..77252, 77824..78099, 79780..80055		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50510	Strand	-
Start	73891	End	80055
Name	OJ991214_14.0204.C1.o5.gp	Method	AAT/GAP
Start	75908	End	76850

GI	13842_1.R1084	Score	1175
Exons	75908..76188, 76305..76391, 76475..76585, 76672..76850		
GI Descrip.	'133872/sp|P29344|RR1_SPIOL 5.0e-58 30S RIBOSOMAL PROTEIN S1, CHLOROPLAST PRECURSOR (CS1) >gi_282838_pir__S26494 ribosomal protein S1, chloroplast - spinach >gi_322404_pir__A44121 small subunit ribosomal protein CS1, CS-S2 - spinach >gi_18060_emb_CAA46927_ (X66135) ribosomal protein S1 [Spinacia oleracea] >gi_170143 (M82923) chloroplast ribosomal protein S1 [Spinacia oleracea]'		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50510	Strand	-
Start	73891	End	80055
Name	OJ991214_14.0204.C1.o5.np	Method	AAT/NAP
Start	76092	End	80055
GI	133872	Score	1238
Exons	76092..76188, 76305..76391, 76475..76585, 76672..76953, 77172..77252, 77824..78099, 79780..80055		
GI Descrip.	30S RIBOSOMAL PROTEIN S1, CHLOROPLAST PRECURSOR (CS1) gi|282838|pir||S26494 ribosomal protein S1, chloroplast - spinach gi|322404|pir||A44121 small subunit ribosomal protein CS1, CS-S2 - spinach gi|18060|emb|CAA46927| (X66135) ribosomal protein S1 [Spinacia oleracea] gi|170143 (M82923) chloroplast ribosomal protein S1 [Spinacia oleracea]		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50510	Strand	-
Start	73891	End	80055
Name	OJ991214_14.0204.C1.o6.gp	Method	AAT/GAP
Start	77196	End	80004
GI	48068_1.R1084	Score	1044
Exons	77196..77252, 77824..78099, 79780..80004		
GI Descrip.	'133872/sp|P29344|RR1_SPIOL 2.0e-43 30S RIBOSOMAL PROTEIN S1, CHLOROPLAST PRECURSOR (CS1) >gi_282838_pir__S26494 ribosomal protein S1, chloroplast - spinach >gi_322404_pir__A44121 small subunit ribosomal protein CS1, CS-S2 - spinach >gi_18060_emb_CAA46927_ (X66135) ribosomal protein S1 [Spinacia oleracea] >gi_170143 (M82923) chloroplast ribosomal protein S1 [Spinacia oleracea]'		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o5.tm	Method	TBLASTX:Maize
Start	7998	End	9403
GI	none	Score	69
Exons	7998..8060, 8018..8062, 8046..8342, 8069..8293, 8069..8353, 8085..8354, 8438..8485, 8439..8492, 8455..8508, 9274..9402, 9275..9403		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o5.ts	Method	TBLASTX:Soybean
Start	8013	End	8804
GI	none	Score	270
Exons	8013..8342, 8013..8342, 8015..8353, 8209..8349, 8438..8482,		

8438..8485, 8439..8492, 8649..8804, 8650..8802

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o7.tc	Method	TBLASTX:Cress
Start	8019	End	8299
GI	none	Score	169
Exons	8019..8294, 8129..8299		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o3.tc	Method	TBLASTX:Cress
Start	8300	End	8985
GI	none	Score	45
Exons	8300..8353, 8301..8342, 8438..8485, 8439..8492, 8649..8981, 8649..8984, 8650..8985		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o1.tm	Method	TBLASTX:Maize
Start	8673	End	9149
GI	none	Score	516
Exons	8673..9137, 8673..9149, 8674..9138		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o1.ts	Method	TBLASTX:Soybean
Start	8805	End	11790
GI	none	Score	261
Exons	8805..9149, 8809..9141, 9274..9321, 9274..9330, 9326..9358, 9328..9357, 9356..9487, 9358..9462, 9359..9487, 9569..9742, 9574..9768, 11524..11637, 11525..11632, 11659..11790, 11660..11788		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o10.tw	Method	TBLASTX:Wheat
Start	8895	End	9445
GI	none	Score	68
Exons	8895..9149, 8896..8985, 8969..9049, 9274..9420, 9274..9444, 9278..9445		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o2.tc	Method	TBLASTX:Cress
Start	9033	End	11766
GI	none	Score	102
Exons	9033..9149, 9037..9141, 9274..9462, 9275..9487, 9569..9742, 9570..9743, 9574..9744, 9574..9768, 11518..11637, 11522..11635, 11650..11766, 11651..11737		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o11.tm	Method	TBLASTX:Maize
Start	9403	End	9745
GI	none	Score	70
Exons	9403..9462, 9404..9487, 9569..9745, 9574..9744		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o5.tw	Method	TBLASTX:Wheat
Start	9552	End	23928
GI	none	Score	59
Exons	9552..9668, 23496..23612, 23497..23928, 23637..23921		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o14.tm	Method	TBLASTX:Maize
Start	11518	End	11861
GI	none	Score	83
Exons	11518..11637, 11522..11635, 11650..11811, 11653..11718, 11799..11861		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o14.tw	Method	TBLASTX:Wheat
Start	20462	End	20821
GI	none	Score	185
Exons	20462..20821		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o11.tw	Method	TBLASTX:Wheat
Start	21668	End	22027
GI	none	Score	86
Exons	21668..21799, 21805..22026, 21806..22027		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o6.tw	Method	TBLASTX:Wheat
Start	22318	End	22584
GI	none	Score	301
Exons	22318..22584, 22323..22580, 22402..22584		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o6.tm	Method	TBLASTX:Maize
Start	22359	End	22716
GI	none	Score	406
Exons	22359..22715, 22360..22716		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o2.tw	Method	TBLASTX:Wheat
Start	22585	End	23004
GI	none	Score	442
Exons	22585..23004, 22587..22754, 22597..22857, 22788..23003		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o7.tm	Method	TBLASTX:Maize
Start	22744	End	23127
GI	none	Score	393
Exons	22744..23127, 22857..23114		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o8.ts	Method	TBLASTX:Soybean
Start	22846	End	23264
GI	none	Score	273
Exons	22846..23229, 22896..23039, 23154..23264		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o12.tw	Method	TBLASTX:Wheat
Start	23005	End	23220
GI	none	Score	209
Exons	23005..23220, 23010..23114		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o17.tm	Method	TBLASTX:Maize
Start	24129	End	24394
GI	none	Score	217
Exons	24129..24392, 24236..24394		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o7.tw	Method	TBLASTX:Wheat
Start	24237	End	24626
GI	none	Score	273
Exons	24237..24626, 24281..24448, 24503..24544		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o8.tm	Method	TBLASTX:Maize
Start	24395	End	24758
GI	none	Score	379
Exons	24395..24757, 24396..24758		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1

Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o10.ts	Method	TBLASTX:Soybean
Start	24399	End	24773
GI	none	Score	104
Exons	24399..24542, 24549..24773		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o10.tc	Method	TBLASTX:Cress
Start	35939	End	36388
GI	none	Score	88
Exons	35939..36133, 36132..36290, 36167..36289, 36299..36388		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o3.ts	Method	TBLASTX:Soybean
Start	35966	End	36562
GI	none	Score	207
Exons	35966..36562, 35976..36374, 36411..36560		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o3.tm	Method	TBLASTX:Maize
Start	35972	End	36457
GI	none	Score	193
Exons	35972..36259, 35982..36260, 36261..36392, 36266..36394, 36401..36457		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o1.tw	Method	TBLASTX:Wheat
Start	36326	End	36763
GI	none	Score	186
Exons	36326..36763, 36327..36758		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o15.tm	Method	TBLASTX:Maize
Start	36458	End	36631
GI	none	Score	81
Exons	36458..36628, 36461..36631, 36462..36629		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o9.tc	Method	TBLASTX:Cress
Start	36635	End	36877
GI	none	Score	87
Exons	36635..36877, 36636..36815		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1

Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o4.tm	Method	TBLASTX:Maize
Start	36698	End	37145
GI	none	Score	141
Exons	36698..37144, 36825..37145		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o4.tw	Method	TBLASTX:Wheat
Start	36764	End	37277
GI	none	Score	97
Exons	36764..36940, 36932..37276, 36936..37124, 37179..37277		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o6.ts	Method	TBLASTX:Soybean
Start	36941	End	37459
GI	5509260	Score	122
Exons	36941..37459, 36969..37118, 36997..37119, 37158..37322, 37301..37459		
GI Descrip.	-		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o6.tc	Method	TBLASTX:Cress
Start	37058	End	37328
GI	none	Score	172
Exons	37058..37327, 37059..37328		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o16.tm	Method	TBLASTX:Maize
Start	37145	End	37396
GI	none	Score	138
Exons	37145..37396, 37146..37364, 37172..37396		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o8.tw	Method	TBLASTX:Wheat
Start	38032	End	38393
GI	none	Score	59
Exons	38032..38154, 38033..38155, 38034..38393, 38038..38250, 38314..38364		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o5.tc	Method	TBLASTX:Cress
Start	38034	End	38499
GI	none	Score	55
Exons	38034..38498, 38044..38178, 38218..38499		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o7.ts	Method	TBLASTX:Soybean
Start	38052	End	38471
GI	none	Score	37
Exons	38052..38471, 38119..38184, 38218..38433		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o12.tm	Method	TBLASTX:Maize
Start	38067	End	38489
GI	none	Score	65
Exons	38067..38423, 38400..38489		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o9.ts	Method	TBLASTX:Soybean
Start	38516	End	38911
GI	none	Score	82
Exons	38516..38677, 38687..38800, 38807..38911		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o13.tm	Method	TBLASTX:Maize
Start	38972	End	39271
GI	none	Score	102
Exons	38972..39271, 38982..39266		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o3.tw	Method	TBLASTX:Wheat
Start	38976	End	39361
GI	none	Score	242
Exons	38976..39311, 38978..39361, 39229..39339		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o13.tw	Method	TBLASTX:Wheat
Start	39581	End	39871
GI	none	Score	89
Exons	39581..39871, 39597..39821, 39746..39868		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o8.tc	Method	TBLASTX:Cress
Start	39656	End	40168
GI	none	Score	222
Exons	39656..40168		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o9.tm	Method	TBLASTX:Maize
Start	39710	End	40138
GI	none	Score	188
Exons	39710..40027, 39711..40019, 40025..40138		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o4.ts	Method	TBLASTX:Soybean
Start	51390	End	52328
GI	none	Score	256
Exons	51390..51743, 51442..51744, 52192..52314, 52224..52328, 52233..52325		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o4.tc	Method	TBLASTX:Cress
Start	51441	End	52328
GI	none	Score	220
Exons	51441..51743, 51442..51741, 52192..52314, 52224..52328		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o10.tm	Method	TBLASTX:Maize
Start	51471	End	52328
GI	none	Score	101
Exons	51471..51743, 51526..51672, 51549..51740, 51715..51741, 52224..52328		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o9.tw	Method	TBLASTX:Wheat
Start	51531	End	52319
GI	none	Score	89
Exons	51531..51743, 51544..51672, 51669..51740, 52224..52319, 52225..52311, 52236..52316		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o1.tc	Method	TBLASTX:Cress
Start	76123	End	79929
GI	none	Score	62
Exons	76123..76191, 76133..76189, 76305..76394, 76305..76403, 76461..76586, 76475..76588, 76475..76585, 76669..76980, 76670..76822, 76672..76917, 76755..76955, 77173..77268, 77202..77264, 77819..78094, 77821..78102, 77833..78096, 79777..79929, 79778..79921		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-

Start	84758	End	85384
Name	OJ991214_14.0204.C1.o2.ts	Method	TBLASTX:Soybean
Start	76123	End	79929
GI	none	Score	61
Exons	76123..76191, 76133..76189, 76305..76406, 76305..76403, 76461..76586, 76474..76587, 76474..76575, 76475..76588, 76475..76585, 76669..76980, 76670..76822, 76681..76917, 76755..76955, 77176..77247, 77821..78102, 77825..78100, 79777..79929, 79787..79903		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o2.tm	Method	TBLASTX:Maize
Start	76305	End	80064
GI	none	Score	123
Exons	76305..76394, 76305..76403, 76461..76586, 76465..76587, 76475..76585, 76669..76980, 76670..76822, 76672..76917, 77171..77254, 77172..77252, 77173..77265, 77202..77264, 77817..78098, 77819..78100, 77821..78099, 79775..79855, 79777..79854, 79837..79959, 79838..79960, 80003..80056, 80023..80064		

Seq. No.	24275	Seq. ID	OJ991214_14.0204.C1
Gene No.	50511	Strand	-
Start	84758	End	85384
Name	OJ991214_14.0204.C1.o18.gs	Method	GENSCAN
Start	84758	End	85384
GI	none	Score	.56
Exons	84758..84823, 84863..85017, 85225..85384		

Seq. No.	24276	Seq. ID	OJ991214_10.0222.C1
Gene No.	50512	Strand	+
Start	316	End	555
Name	OJ991214_10.0222.C1.o1.gs	Method	GENSCAN
Start	316	End	549
GI	none	Score	.73
Exons	316..549		

Seq. No.	24276	Seq. ID	OJ991214_10.0222.C1
Gene No.	50512	Strand	+
Start	316	End	555
Name	OJ991214_10.0222.C1.o1.gp	Method	AAT/GAP
Start	398	End	555
GI	47276_1.R1084	Score	284
Exons	398..555		
GI Descrip.	'3046695/emb|CAA18257.1| 4.0e-22 (AL022224) putative protein [Arabidopsis thaliana]'		

Seq. No.	24276	Seq. ID	OJ991214_10.0222.C1
Gene No.	50513	Strand	-
Start	66	End	555
Name	OJ991214_10.0222.C1.o1.np	Method	AAT/NAP
Start	66	End	555
GI	6006854	Score	119
Exons	66..231, 371..555		
GI Descrip.	(AC009540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24276	Seq. ID	OJ991214_10.0222.C1
Gene No.	50513	Strand	-
Start	66	End	555
Name	OJ991214_10.0222.C1.o1.tm	Method	TBLASTX:Maize
Start	406	End	555
GI	none	Score	194
Exons	406..555, 410..553, 418..555		

Seq. No.	24277	Seq. ID	OJ991214_10.0222.C3
Gene No.	50514	Strand	+
Start	54	End	236
Name	OJ991214_10.0222.C3.o1.gs	Method	GENSCAN
Start	54	End	236
GI	none	Score	.77
Exons	54..236		

Seq. No.	24277	Seq. ID	OJ991214_10.0222.C3
Gene No.	50515	Strand	-
Start	1	End	250
Name	OJ991214_10.0222.C3.o1.np	Method	AAT/NAP
Start	1	End	250
GI	6523044	Score	233
Exons	1..250		
GI Descrip.	(AL132976) putative protein [Arabidopsis thaliana]		

Seq. No.	24278	Seq. ID	OJ991214_10.0222.C4
Gene No.	50516	Strand	+
Start	662	End	1263
Name	OJ991214_10.0222.C4.o1.gp	Method	AAT/GAP
Start	662	End	1263
GI	11124_1.R1084	Score	195
Exons	662..699, 1178..1263		
GI Descrip.	'2275199 1.0e-42 (AC002337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	24279	Seq. ID	OJ991214_10.0222.C7
Gene No.	50517	Strand	-
Start	293	End	865
Name	OJ991214_10.0222.C7.o1.tm	Method	TBLASTX:Maize
Start	286	End	510
GI	none	Score	253
Exons	286..510, 299..508		

Seq. No.	24279	Seq. ID	OJ991214_10.0222.C7
Gene No.	50517	Strand	-
Start	293	End	865
Name	OJ991214_10.0222.C7.o1.gp	Method	AAT/GAP
Start	293	End	865
GI	LIB3434-005-P1-K1-B7	Score	723
Exons	293..507, 612..638, 716..865		
GI Descrip.	'5902387/gb|AAD55489.1|AC009322_29 8.0e-31 (AC009322) Similar to polygalacturonases [Arabidopsis thaliana]'		

Seq. No.	24279	Seq. ID	OJ991214_10.0222.C7
Gene No.	50517	Strand	-
Start	293	End	865

Name	OJ991214_10.0222.C7.o1.gs	Method	GENSCAN
Start	300	End	763
GI	none	Score	.98
Exons	300..507, 612..638, 716..763		

Seq. No.	24280	Seq. ID	OJ991214_10.0222.C8
Gene No.	50518	Strand	+
Start	85	End	180
Name	OJ991214_10.0222.C8.o1.gs	Method	GENSCAN
Start	85	End	180
GI	none	Score	.91
Exons	85..180		

Seq. No.	24280	Seq. ID	OJ991214_10.0222.C8
Gene No.	50519	Strand	-
Start	44	End	422
Name	OJ991214_10.0222.C8.o1.gp	Method	AAT/GAP
Start	44	End	422
GI	none	Score	754
Exons	44..422		

Seq. No.	24280	Seq. ID	OJ991214_10.0222.C8
Gene No.	50520	Strand	-
Start	2590	End	2925
Name	OJ991214_10.0222.C8.o2.gs	Method	GENSCAN
Start	2590	End	2925
GI	none	Score	.88
Exons	2590..2925		

Seq. No.	24280	Seq. ID	OJ991214_10.0222.C8
Gene No.	50520	Strand	-
Start	2590	End	2925
Name	OJ991214_10.0222.C8.o1.np	Method	AAT/NAP
Start	2621	End	2925
GI	5103838	Score	113
Exons	2621..2925		
GI Descrip.	(AC007591) ESTs gb|H37295 and gb|R64895 come from this gene. [Arabidopsis thaliana]		

Seq. No.	24281	Seq. ID	OJ991214_10.0222.C9
Gene No.	50521	Strand	+
Start	132	End	268
Name	OJ991214_10.0222.C9.o1.gs	Method	GENSCAN
Start	132	End	268
GI	none	Score	.71
Exons	132..268		

Seq. No.	24281	Seq. ID	OJ991214_10.0222.C9
Gene No.	50522	Strand	-
Start	597	End	1806
Name	OJ991214_10.0222.C9.o1.gp	Method	AAT/GAP
Start	597	End	1162
GI	none	Score	1050
Exons	597..1162		

Seq. No.	24281	Seq. ID	OJ991214_10.0222.C9
Gene No.	50522	Strand	-

Start	597	End	1806
Name	OJ991214_10.0222.C9.o1.tm	Method	TBLASTX:Maize
Start	954	End	1636
GI	none	Score	46
Exons	954..998, 1030..1077, 1038..1082, 1042..1164, 1050..1163, 1081..1164, 1083..1211, 1278..1337, 1283..1342, 1284..1340, 1417..1494, 1425..1505, 1429..1506, 1485..1508, 1549..1635, 1586..1636		

Seq. No.	24281	Seq. ID	OJ991214_10.0222.C9
Gene No.	50522	Strand	-
Start	597	End	1806
Name	OJ991214_10.0222.C9.o2.gs	Method	GENSCAN
Start	1032	End	1338
GI	none	Score	.78
Exons	1032..1208, 1284..1338		

Seq. No.	24281	Seq. ID	OJ991214_10.0222.C9
Gene No.	50522	Strand	-
Start	597	End	1806
Name	OJ991214_10.0222.C9.o1.np	Method	AAT/NAP
Start	1092	End	1753
GI	5902374	Score	154
Exons	1092..1208, 1284..1338, 1595..1753		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24281	Seq. ID	OJ991214_10.0222.C9
Gene No.	50522	Strand	-
Start	597	End	1806
Name	OJ991214_10.0222.C9.o1.ts	Method	TBLASTX:Soybean
Start	1423	End	1731
GI	none	Score	67
Exons	1423..1512, 1428..1508, 1593..1721, 1594..1668, 1603..1731		

Seq. No.	24281	Seq. ID	OJ991214_10.0222.C9
Gene No.	50522	Strand	-
Start	597	End	1806
Name	OJ991214_10.0222.C9.o2.gp	Method	AAT/GAP
Start	1432	End	1806
GI	uC-osrocyp036b09b1	Score	428
Exons	1432..1509, 1595..1806		
GI Descrip.	'5902374/gb|AAD55476.1|AC009322_16 4.0e-16 (AC009322) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	24282	Seq. ID	OJ991214_10.0222.C10
Gene No.	50523	Strand	-
Start	1	End	4658
Name	OJ991214_10.0222.C10.o1.np	Method	AAT/NAP
Start	1	End	3298
GI	5902374	Score	261
Exons	1..61, 1862..2047, 2153..2238, 2788..2869, 3209..3298		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24282	Seq. ID	OJ991214_10.0222.C10
Gene No.	50523	Strand	-
Start	1	End	4658
Name	OJ991214_10.0222.C10.o1.gs	Method	GENSCAN

Start	1826	End	4658
GI	none	Score	.64
Exons	1826..2047, 2153..2291, 2839..3053, 3087..3247, 3287..3590, 4005..4082, 4494..4554, 4600..4658		

Seq. No.	24282	Seq. ID	OJ991214_10.0222.C10
Gene No.	50523	Strand	-
Start	1	End	4658
Name	OJ991214_10.0222.C10.o1.gp	Method	AAT/GAP
Start	2784	End	3408
GI	76522_1.R1084	Score	766
Exons	2784..2873, 2980..3104, 3209..3408		
GI Descrip.	'461033/bbs|142242 2.0e-14 (S68015) c6.1A [human, Peptide, 324 aa] [Homo sapiens]'		

Seq. No.	24282	Seq. ID	OJ991214_10.0222.C10
Gene No.	50524	Strand	-
Start	5088	End	6338
Name	OJ991214_10.0222.C10.o1.tm	Method	TBLASTX:Maize
Start	1998	End	3326
GI	none	Score	74
Exons	1998..2048, 1998..2048, 1999..2049, 2147..2239, 2150..2239, 2151..2240, 2151..2243, 2152..2241, 2783..2863, 2785..2877, 2786..2863, 2979..3125, 3046..3126, 3203..3319, 3213..3326		

Seq. No.	24282	Seq. ID	OJ991214_10.0222.C10
Gene No.	50524	Strand	-
Start	5088	End	6338
Name	OJ991214_10.0222.C10.o2.gp	Method	AAT/GAP
Start	5088	End	6338
GI	271_1.R1084	Score	1826
Exons	5088..5508, 5720..6104, 6197..6338		
GI Descrip.	'1486503 2.0e-72 (U57641) LEA-like protein [Oryza sativa]'		

Seq. No.	24282	Seq. ID	OJ991214_10.0222.C10
Gene No.	50524	Strand	-
Start	5088	End	6338
Name	OJ991214_10.0222.C10.o2.np	Method	AAT/NAP
Start	5356	End	6256
GI	1486503	Score	897
Exons	5356..5508, 5720..6104, 6197..6256		
GI Descrip.	(U57641) LEA-like protein [Oryza sativa]		

Seq. No.	24282	Seq. ID	OJ991214_10.0222.C10
Gene No.	50524	Strand	-
Start	5088	End	6338
Name	OJ991214_10.0222.C10.o2.tm	Method	TBLASTX:Maize
Start	5787	End	6275
GI	none	Score	82
Exons	5787..5858, 5799..5858, 5874..6116, 5876..5923, 6082..6126, 6188..6259, 6189..6275		

Seq. No.	24283	Seq. ID	OJ991214_10.0222.C11
Gene No.	50525	Strand	+
Start	1066	End	4073
Name	OJ991214_10.0222.C11.o1.gs	Method	GENSCAN
Start	1066	End	4052

GI	none	Score	.82
Exons	1066..1143, 3057..3264, 3410..3597, 3754..3914, 3955..4052		

Seq. No.	24283	Seq. ID	OJ991214_10.0222.C11
Gene No.	50525	Strand	+
Start	1066	End	4073
Name	OJ991214_10.0222.C11.o1.gp	Method	AAT/GAP
Start	3328	End	4073
GI	none	Score	868
Exons	3328..3589, 3719..3913, 4032..4073		

Seq. No.	24283	Seq. ID	OJ991214_10.0222.C11
Gene No.	50525	Strand	+
Start	1066	End	4073
Name	OJ991214_10.0222.C11.o1.tm	Method	TBLASTX:Maize
Start	3477	End	3915
GI	none	Score	177
Exons	3477..3533, 3478..3597, 3564..3590, 3717..3767, 3717..3755, 3718..3783, 3718..3765, 3844..3915, 3849..3914		

Seq. No.	24283	Seq. ID	OJ991214_10.0222.C11
Gene No.	50525	Strand	+
Start	1066	End	4073
Name	OJ991214_10.0222.C11.o1.tc	Method	TBLASTX:Cress
Start	3481	End	3915
GI	none	Score	37
Exons	3481..3522, 3532..3597, 3717..3758, 3718..3783, 3844..3915, 3849..3905		

Seq. No.	24284	Seq. ID	OJ991214_10.0222.C12
Gene No.	50526	Strand	+
Start	4	End	1288
Name	OJ991214_10.0222.C12.o2.tm	Method	TBLASTX:Maize
Start	1	End	921
GI	none	Score	114
Exons	1..69, 3..71, 3..68, 162..287, 162..293, 163..288, 832..921, 832..915, 834..920		

Seq. No.	24284	Seq. ID	OJ991214_10.0222.C12
Gene No.	50526	Strand	+
Start	4	End	1288
Name	OJ991214_10.0222.C12.o1.ts	Method	TBLASTX:Soybean
Start	3	End	921
GI	none	Score	82
Exons	3..68, 4..69, 129..263, 160..267, 161..283, 162..287, 163..288, 832..921		

Seq. No.	24284	Seq. ID	OJ991214_10.0222.C12
Gene No.	50526	Strand	+
Start	4	End	1288
Name	OJ991214_10.0222.C12.o1.gs	Method	GENSCAN
Start	4	End	1189
GI	none	Score	.76
Exons	4..68, 165..282, 835..922, 1008..1189		

Seq. No.	24284	Seq. ID	OJ991214_10.0222.C12
Gene No.	50526	Strand	+

Start	4	End	1288
Name	OJ991214_10.0222.C12.o1.tm	Method	TBLASTX:Maize
Start	928	End	1198
GI	none	Score	312
Exons	928..1194, 929..1198, 941..1195		

Seq. No.	24284	Seq. ID	OJ991214_10.0222.C12
Gene No.	50526	Strand	+
Start	4	End	1288
Name	OJ991214_10.0222.C12.o1.gp	Method	AAT/GAP
Start	1001	End	1288
GI	none	Score	572
Exons	1001..1288		

Seq. No.	24285	Seq. ID	OJ991214_10.0222.C14
Gene No.	50527	Strand	+
Start	1	End	981
Name	OJ991214_10.0222.C14.o1.gp	Method	AAT/GAP
Start	1	End	981
GI	18981_1.R1084	Score	589
Exons	1..85, 190..244, 740..981		
GI Descrip.	'3047083 2.0e-55 (AF058914) similar to FLAP endonuclease-1 (SW:P39748) [Arabidopsis thaliana]'		

Seq. No.	24286	Seq. ID	OJ991214_10.0222.C15
Gene No.	50528	Strand	+
Start	318	End	800
Name	OJ991214_10.0222.C15.o1.gs	Method	GENSCAN
Start	318	End	800
GI	none	Score	.66
Exons	318..800		

Seq. No.	24286	Seq. ID	OJ991214_10.0222.C15
Gene No.	50529	Strand	+
Start	931	End	1274
Name	OJ991214_10.0222.C15.o1.gp	Method	AAT/GAP
Start	931	End	1274
GI	none	Score	660
Exons	931..1274		

Seq. No.	24286	Seq. ID	OJ991214_10.0222.C15
Gene No.	50530	Strand	-
Start	1146	End	1862
Name	OJ991214_10.0222.C15.o1.np	Method	AAT/NAP
Start	1106	End	1862
GI	2251238	Score	218
Exons	1106..1862		
GI Descrip.	(U72263) multiple exostoses type II protein EXT2.I [Homo sapiens]		

Seq. No.	24286	Seq. ID	OJ991214_10.0222.C15
Gene No.	50530	Strand	-
Start	1146	End	1862
Name	OJ991214_10.0222.C15.o2.tm	Method	TBLASTX:Maize
Start	1129	End	1482
GI	none	Score	408
Exons	1129..1482, 1131..1475, 1141..1476		

Seq. No.	24286	Seq. ID	OJ991214_10.0222.C15
Gene No.	50530	Strand	-
Start	1146	End	1862
Name	OJ991214_10.0222.C15.o2.gs	Method	GENSCAN
Start	1146	End	1815
GI	none	Score	.83
Exons	1146..1529, 1599..1815		

Seq. No.	24286	Seq. ID	OJ991214_10.0222.C15
Gene No.	50530	Strand	-
Start	1146	End	1862
Name	OJ991214_10.0222.C15.o1.ts	Method	TBLASTX:Soybean
Start	1291	End	1862
GI	none	Score	54
Exons	1291..1341, 1293..1346, 1335..1715, 1335..1862, 1336..1860		

Seq. No.	24286	Seq. ID	OJ991214_10.0222.C15
Gene No.	50530	Strand	-
Start	1146	End	1862
Name	OJ991214_10.0222.C15.o1.tm	Method	TBLASTX:Maize
Start	1485	End	1862
GI	none	Score	478
Exons	1485..1862, 1486..1860		

Seq. No.	24287	Seq. ID	OJ991214_10.0222.C17
Gene No.	50531	Strand	+
Start	328	End	481
Name	OJ991214_10.0222.C17.o2.np	Method	AAT/NAP
Start	328	End	481
GI	6721561	Score	95
Exons	328..481		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	24287	Seq. ID	OJ991214_10.0222.C17
Gene No.	50532	Strand	-
Start	206	End	481
Name	OJ991214_10.0222.C17.o1.np	Method	AAT/NAP
Start	206	End	481
GI	4680183	Score	133
Exons	206..297, 427..481		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	24287	Seq. ID	OJ991214_10.0222.C17
Gene No.	50532	Strand	-
Start	206	End	481
Name	OJ991214_10.0222.C17.o1.gs	Method	GENSCAN
Start	250	End	376
GI	none	Score	.51
Exons	250..376		

Seq. No.	24288	Seq. ID	OJ991214_10.0222.C23
Gene No.	50533	Strand	-

Start	428	End	594
Name	OJ991214_10.0222.C23.o1.gs	Method	GENSCAN
Start	428	End	594
GI	none	Score	.86
Exons	428..594		

Seq. No.	24289	Seq. ID	OJ991214_10.0222.C24
Gene No.	50534	Strand	-
Start	1	End	75
Name	OJ991214_10.0222.C24.o1.np	Method	AAT/NAP
Start	1	End	75
GI	128857	Score	114
Exons	1..75		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT J (ORF 159) gi|82539|pir||S05106 hypothetical protein 159 - rice chloroplast gi|11987|emb|CAA33999| (X15901) ORF159 [Oryza sativa] gi|226608|prf||1603356AE ORF 159 [Oryza sativa]		

Seq. No.	24289	Seq. ID	OJ991214_10.0222.C24
Gene No.	50535	Strand	-
Start	176	End	250
Name	OJ991214_10.0222.C24.o1.tm	Method	TBLASTX:Maize
Start	11	End	250
GI	none	Score	193
Exons	11..136, 13..135, 15..143, 15..152, 132..221, 133..171, 140..250, 151..249		

Seq. No.	24289	Seq. ID	OJ991214_10.0222.C24
Gene No.	50535	Strand	-
Start	176	End	250
Name	OJ991214_10.0222.C24.o2.np	Method	AAT/NAP
Start	176	End	250
GI	131323	Score	123
Exons	176..250		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT K gi|72688|pir||F2RZG psbG protein - rice chloroplast gi|11988|emb|CAA34000| (X15901) psbG; PSII G protein [Oryza sativa] gi|226609|prf||1603356AF photosystem II G protein [Oryza sativa]		

Seq. No.	24290	Seq. ID	OJ991214_10.0222.C25
Gene No.	50536	Strand	-
Start	17	End	104
Name	OJ991214_10.0222.C25.o1.gs	Method	GENSCAN
Start	17	End	104
GI	none	Score	.92
Exons	17..104		

Seq. No.	24291	Seq. ID	OJ991214_10.0222.C27
Gene No.	50537	Strand	+
Start	79	End	507
Name	OJ991214_10.0222.C27.o1.tm	Method	TBLASTX:Maize
Start	2	End	507
GI	none	Score	56
Exons	2..40, 3..35, 29..259, 32..295, 49..297, 51..299, 108..299, 248..382, 252..383, 259..390, 264..386, 269..394, 466..507, 473..505, 477..506		

Seq. No.	24291	Seq. ID	OJ991214_10.0222.C27
Gene No.	50537	Strand	+
Start	79	End	507
Name	OJ991214_10.0222.C27.o1.gs	Method	GENSCAN
Start	79	End	208
GI	none	Score	.78
Exons	79..208		

Seq. No.	24291	Seq. ID	OJ991214_10.0222.C27
Gene No.	50537	Strand	+
Start	79	End	507
Name	OJ991214_10.0222.C27.o1.ts	Method	TBLASTX:Soybean
Start	120	End	386
GI	none	Score	144
Exons	120..305, 151..300, 159..305, 332..382	248..379, 259..381, 267..386,	

Seq. No.	24291	Seq. ID	OJ991214_10.0222.C27
Gene No.	50537	Strand	+
Start	79	End	507
Name	OJ991214_10.0222.C27.o1.tw	Method	TBLASTX:Wheat
Start	126	End	405
GI	none	Score	179
Exons	126..293, 145..309, 151..261,	152..292, 319..405, 331..405	

Seq. No.	24292	Seq. ID	OJ991214_10.0222.C30
Gene No.	50538	Strand	-
Start	1	End	599
Name	OJ991214_10.0222.C30.o1.np	Method	AAT/NAP
Start	1	End	595
GI	2407281	Score	198
Exons	1..91, 429..595		
GI Descrip.	(AF017363) ribulose 1,5-bisphosphate carboxylase small subunit [Oryza sativa]		

Seq. No.	24292	Seq. ID	OJ991214_10.0222.C30
Gene No.	50538	Strand	-
Start	1	End	599
Name	OJ991214_10.0222.C30.o1.tw	Method	TBLASTX:Wheat
Start	446	End	599
GI	none	Score	194
Exons	446..595, 447..596, 507..599		

Seq. No.	24293	Seq. ID	OJ991214_10.0222.C37
Gene No.	50539	Strand	-
Start	98	End	322
Name	OJ991214_10.0222.C37.o1.gs	Method	GENSCAN
Start	98	End	322
GI	none	Score	.85
Exons	98..138, 284..322		

Seq. No.	24294	Seq. ID	OJ991214_10.0222.C39
Gene No.	50540	Strand	-
Start	1	End	503
Name	OJ991214_10.0222.C39.o1.np	Method	AAT/NAP
Start	1	End	503
GI	131323	Score	800

Exons	1..503
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT K gi|72688|pir||F2RZG psbG protein - rice chloroplast gi|11988|emb|CAA34000| (X15901) psbG; PSII G protein [Oryza sativa] gi|226609|prf||1603356AF photosystem II G protein [Oryza sativa]

Seq. No.	24294	Seq. ID	OJ991214_10.0222.C39
Gene No.	50540	Strand	-
Start	1	End	503
Name	OJ991214_10.0222.C39.o1.tw	Method	TBLASTX:Wheat
Start	1	End	475
GI	none	Score	225
Exons	1..243, 1..150, 8..385, 9..386, 384..419, 385..426, 404..475, 426..473, 427..474		

Seq. No.	24294	Seq. ID	OJ991214_10.0222.C39
Gene No.	50540	Strand	-
Start	1	End	503
Name	OJ991214_10.0222.C39.o1.tm	Method	TBLASTX:Maize
Start	2	End	502
GI	none	Score	509
Exons	2..385, 2..385, 3..386, 380..421, 384..482, 385..426, 404..499, 410..502, 427..501		

Seq. No.	24294	Seq. ID	OJ991214_10.0222.C39
Gene No.	50540	Strand	-
Start	1	End	503
Name	OJ991214_10.0222.C39.o1.ts	Method	TBLASTX:Soybean
Start	2	End	501
GI	none	Score	537
Exons	2..385, 3..386, 380..421, 384..482, 385..426, 404..499, 418..501, 427..501		

Seq. No.	24294	Seq. ID	OJ991214_10.0222.C39
Gene No.	50540	Strand	-
Start	1	End	503
Name	OJ991214_10.0222.C39.o1.tc	Method	TBLASTX:Cress
Start	23	End	501
GI	none	Score	67
Exons	23..73, 24..74, 54..380, 74..382, 74..385, 75..386, 380..421, 384..482, 385..426, 426..497, 427..501, 433..498		

Seq. No.	24294	Seq. ID	OJ991214_10.0222.C39
Gene No.	50540	Strand	-
Start	1	End	503
Name	OJ991214_10.0222.C39.o1.gs	Method	GENSCAN
Start	31	End	333
GI	none	Score	.45
Exons	31..222, 256..333		

Seq. No.	24295	Seq. ID	OJ991214_10.0222.C40
Gene No.	50541	Strand	-
Start	1	End	505
Name	OJ991214_10.0222.C40.o1.np	Method	AAT/NAP
Start	1	End	505
GI	4388825	Score	376
Exons	1..505		

GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	24295	Seq. ID	OJ991214_10.0222.C40
Gene No.	50541	Strand	-
Start	1	End	505
Name	OJ991214_10.0222.C40.o1.tw	Method	TBLASTX:Wheat
Start	1	End	321
GI	none	Score	188
Exons	1..321, 101..316		
Seq. No.	24295	Seq. ID	OJ991214_10.0222.C40
Gene No.	50541	Strand	-
Start	1	End	505
Name	OJ991214_10.0222.C40.o1.ts	Method	TBLASTX:Soybean
Start	1	End	325
GI	none	Score	128
Exons	1..324, 13..309, 14..325		
Seq. No.	24295	Seq. ID	OJ991214_10.0222.C40
Gene No.	50541	Strand	-
Start	1	End	505
Name	OJ991214_10.0222.C40.o1.gs	Method	GENSCAN
Start	20	End	279
GI	none	Score	.69
Exons	20..279		
Seq. No.	24296	Seq. ID	OJ991214_10.0222.C41
Gene No.	50542	Strand	+
Start	1	End	327
Name	OJ991214_10.0222.C41.o1.np	Method	AAT/NAP
Start	1	End	327
GI	5441880	Score	198
Exons	1..104, 211..327		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	24296	Seq. ID	OJ991214_10.0222.C41
Gene No.	50542	Strand	+
Start	1	End	327
Name	OJ991214_10.0222.C41.o1.gs	Method	GENSCAN
Start	178	End	295
GI	none	Score	.72
Exons	178..295		
Seq. No.	24297	Seq. ID	OJ991214_10.0222.C42
Gene No.	50543	Strand	
Start	2	End	429
Name	OJ991214_10.0222.C42.o1.tm	Method	TBLASTX:Maize
Start	2	End	429
GI	none	Score	108
Exons	2..88, 7..66, 170..268, 175..270, 175..273, 357..428, 361..429		
Seq. No.	24298	Seq. ID	OJ991214_10.0222.C43
Gene No.	50544	Strand	+
Start	478	End	1164

Name	OJ991214_10.0222.C43.o1.gs	Method	GENSCAN
Start	478	End	1164
GI	none	Score	.49
Exons	478..530, 644..795, 1055..1164		

Seq. No.	24298	Seq. ID	OJ991214_10.0222.C43
Gene No.	50545	Strand	+
Start	2682	End	5809
Name	OJ991214_10.0222.C43.o3.gp	Method	AAT/GAP
Start	2682	End	5809
GI	none	Score	1238
Exons	2682..2840, 4738..4820, 5396..5809		

Seq. No.	24298	Seq. ID	OJ991214_10.0222.C43
Gene No.	50546	Strand	-
Start	1	End	166
Name	OJ991214_10.0222.C43.o1.gp	Method	AAT/GAP
Start	1	End	166
GI	3762433	Score	306
Exons	1..166		

Seq. No.	24298	Seq. ID	OJ991214_10.0222.C43
Gene No.	50547	Strand	-
Start	1559	End	2763
Name	OJ991214_10.0222.C43.o2.gs	Method	GENSCAN
Start	1559	End	2763
GI	none	Score	.75
Exons	1559..1701, 2226..2359, 2450..2763		

Seq. No.	24298	Seq. ID	OJ991214_10.0222.C43
Gene No.	50547	Strand	-
Start	1559	End	2763
Name	OJ991214_10.0222.C43.o2.gp	Method	AAT/GAP
Start	1907	End	2408
GI	none	Score	754
Exons	1907..2140, 2226..2408		

Seq. No.	24299	Seq. ID	OJ991214_10.0222.C44
Gene No.	50548	Strand	+
Start	2265	End	5222
Name	OJ991214_10.0222.C44.o1.gp	Method	AAT/GAP
Start	2265	End	5222
GI	16969_1.R1084	Score	1290
Exons	2265..2359, 2851..3008, 3112..3278, 4916..5222		
GI Descrip.	'3687251 3.0e-48 (AC005169) unknown protein [Arabidopsis thaliana]'		

Seq. No.	24299	Seq. ID	OJ991214_10.0222.C44
Gene No.	50548	Strand	+
Start	2265	End	5222
Name	OJ991214_10.0222.C44.o1.gs	Method	GENSCAN
Start	2299	End	5044
GI	none	Score	.78
Exons	2299..2359, 2851..3008, 3112..3278, 4916..5044		

Seq. No.	24299	Seq. ID	OJ991214_10.0222.C44
Gene No.	50548	Strand	+

Start	2265	End	5222
Name	OJ991214_10.0222.C44.o1.np	Method	AAT/NAP
Start	2861	End	5032
GI	3687251	Score	451
Exons	2861..3008, 3112..3278, 4916..5032		
GI Descrip.	(AC005169) putative ribosomal protein L28 [Arabidopsis thaliana]		

Seq. No.	24299	Seq. ID	OJ991214_10.0222.C44
Gene No.	50549	Strand	-
Start	5873	End	7055
Name	OJ991214_10.0222.C44.o1.tm	Method	TBLASTX:Maize
Start	2849	End	5105
GI	none	Score	245
Exons	2849..3010, 2849..2959, 2851..3009, 3083..3280, 3110..3280, 3111..3281, 4913..5029, 4914..5027, 5049..5105, 5051..5104		

Seq. No.	24299	Seq. ID	OJ991214_10.0222.C44
Gene No.	50549	Strand	-
Start	5873	End	7055
Name	OJ991214_10.0222.C44.o1.tw	Method	TBLASTX:Wheat
Start	2849	End	5116
GI	none	Score	185
Exons	2849..2959, 2860..3009, 2860..3009, 2861..3010, 3110..3280, 3111..3281, 4913..5029, 4914..5033, 4915..5034, 5090..5116		

Seq. No.	24299	Seq. ID	OJ991214_10.0222.C44
Gene No.	50549	Strand	-
Start	5873	End	7055
Name	OJ991214_10.0222.C44.o1.ts	Method	TBLASTX:Soybean
Start	2852	End	5041
GI	none	Score	186
Exons	2852..3010, 2860..3009, 3110..3151, 3111..3221, 3156..3281, 3164..3280, 4913..5041, 4913..5029, 4954..5040		

Seq. No.	24299	Seq. ID	OJ991214_10.0222.C44
Gene No.	50549	Strand	-
Start	5873	End	7055
Name	OJ991214_10.0222.C44.o1.tc	Method	TBLASTX:Cress
Start	2857	End	5029
GI	none	Score	224
Exons	2857..3009, 2858..3010, 2860..3012, 3110..3190, 3111..3197, 3152..3286, 3156..3284, 4907..5029, 4913..5029		

Seq. No.	24299	Seq. ID	OJ991214_10.0222.C44
Gene No.	50549	Strand	-
Start	5873	End	7055
Name	OJ991214_10.0222.C44.o2.gs	Method	GENSCAN
Start	5873	End	7055
GI	none	Score	.83
Exons	5873..6274, 6698..6925, 7053..7055		

Seq. No.	24299	Seq. ID	OJ991214_10.0222.C44
Gene No.	50549	Strand	-
Start	5873	End	7055
Name	OJ991214_10.0222.C44.o2.np	Method	AAT/NAP
Start	5960	End	6919
GI	5903093	Score	386

Exons	5960..6274, 6698..6919		
GI Descrip.	(AC008017) Similar to jacalin [Arabidopsis thaliana]		
Seq. No.	24300	Seq. ID	OJ991214_10.0222.C45
Gene No.	50550	Strand	+
Start	210	End	620
Name	OJ991214_10.0222.C45.o1.gp	Method	AAT/GAP
Start	210	End	620
GI	2280700	Score	580
Exons	210..314, 406..620		
Seq. No.	24300	Seq. ID	OJ991214_10.0222.C45
Gene No.	50551	Strand	+
Start	1859	End	2323
Name	OJ991214_10.0222.C45.o2.gp	Method	AAT/GAP
Start	1859	End	2323
GI	47276_1.R1084	Score	810
Exons	1859..2323		
GI Descrip.	'3046695/emb|CAA18257.1| 4.0e-22 (AL022224) putative protein [Arabidopsis thaliana]'		
Seq. No.	24300	Seq. ID	OJ991214_10.0222.C45
Gene No.	50552	Strand	-
Start	261	End	1710
Name	OJ991214_10.0222.C45.o1.gs	Method	GENSCAN
Start	261	End	1710
GI	none	Score	.64
Exons	261..454, 1127..1266, 1646..1710		
Seq. No.	24301	Seq. ID	OJ991214_10.0222.C46
Gene No.	50553	Strand	+
Start	1272	End	6367
Name	OJ991214_10.0222.C46.o1.gs	Method	GENSCAN
Start	1272	End	6367
GI	none	Score	.59
Exons	1272..1349, 1712..1760, 3318..3368, 3603..5456, 6315..6367		
Seq. No.	24301	Seq. ID	OJ991214_10.0222.C46
Gene No.	50554	Strand	-
Start	1529	End	1600
Name	OJ991214_10.0222.C46.o1.gp	Method	AAT/GAP
Start	1529	End	1600
GI	47276_1.R1084	Score	94
Exons	1529..1600		
GI Descrip.	'3046695/emb|CAA18257.1| 4.0e-22 (AL022224) putative protein [Arabidopsis thaliana]'		
Seq. No.	24301	Seq. ID	OJ991214_10.0222.C46
Gene No.	50555	Strand	-
Start	7777	End	9227
Name	OJ991214_10.0222.C46.o1.tw	Method	TBLASTX:Wheat
Start	5101	End	8151
GI	none	Score	91
Exons	5101..5214, 5126..5233, 5144..5227, 7927..8076, 7936..8151, 8027..8146		
Seq. No.	24301	Seq. ID	OJ991214_10.0222.C46

Gene No.	50555	Strand	-
Start	7777	End	9227
Name	OJ991214_10.0222.C46.o2.gs	Method	GENSCAN
Start	7777	End	9227
GI	none	Score	.61
Exons	7777..8383, 8443..9227		

Seq. No.	24302	Seq. ID	OJ991214_10.0222.C47
Gene No.	50556	Strand	-
Start	1173	End	1313
Name	OJ991214_10.0222.C47.o1.gs	Method	GENSCAN
Start	1173	End	1313
GI	none	Score	.48
Exons	1173..1313		

Seq. No.	24303	Seq. ID	OJ991214_10.0222.C48
Gene No.	50557	Strand	-
Start	66	End	433
Name	OJ991214_10.0222.C48.o1.gs	Method	GENSCAN
Start	66	End	433
GI	none	Score	.45
Exons	66..433		

Seq. No.	24303	Seq. ID	OJ991214_10.0222.C48
Gene No.	50558	Strand	-
Start	9678	End	11798
Name	OJ991214_10.0222.C48.o1.gp	Method	AAT/GAP
Start	9678	End	10195
GI	none	Score	814
Exons	9678..10041, 10122..10195		

Seq. No.	24303	Seq. ID	OJ991214_10.0222.C48
Gene No.	50558	Strand	-
Start	9678	End	11798
Name	OJ991214_10.0222.C48.o1.tm	Method	TBLASTX:Maize
Start	9934	End	11511
GI	none	Score	121
Exons	9934..10041, 9968..10039, 9974..10051, 10120..10269, 10120..10263, 10122..10268, 10360..10437, 10376..10486, 10378..10449, 10575..10679, 10576..10677, 10581..10679, 11407..11511, 11413..11511		

Seq. No.	24303	Seq. ID	OJ991214_10.0222.C48
Gene No.	50558	Strand	-
Start	9678	End	11798
Name	OJ991214_10.0222.C48.o3.gs	Method	GENSCAN
Start	9943	End	11798
GI	none	Score	.87
Exons	9943..10038, 10120..10263, 10378..10448, 10577..10676, 11134..11187, 11216..11246, 11307..11511, 11552..11798		

Seq. No.	24303	Seq. ID	OJ991214_10.0222.C48
Gene No.	50558	Strand	-
Start	9678	End	11798
Name	OJ991214_10.0222.C48.o1.np	Method	AAT/NAP
Start	9961	End	11786
GI	6729496	Score	509

Exons	9961..10038, 10120..10263, 10378..10448, 10577..10676, 11216..11246, 11414..11511, 11667..11786		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		
Seq. No.	24303	Seq. ID	OJ991214_10.0222.C48
Gene No.	50558	Strand	-
Start	9678	End	11798
Name	OJ991214_10.0222.C48.o1.ts	Method	TBLASTX:Soybean
Start	9976	End	11496
GI	none	Score	44
Exons	9976..10041, 10120..10227, 10121..10192, 10231..10263, 10235..10267, 10236..10268, 10360..10437, 10382..10444, 10387..10446, 10575..10679, 10576..10677, 11407..11496		
Seq. No.	24303	Seq. ID	OJ991214_10.0222.C48
Gene No.	50558	Strand	-
Start	9678	End	11798
Name	OJ991214_10.0222.C48.o1.tc	Method	TBLASTX:Cress
Start	10120	End	10437
GI	none	Score	99
Exons	10120..10263, 10360..10437		
Seq. No.	24304	Seq. ID	OJ991214_10.0222.C49
Gene No.	50559	Strand	+
Start	8593	End	8848
Name	OJ991214_10.0222.C49.o4.gp	Method	AAT/GAP
Start	8472	End	8848
GI	1631486	Score	695
Exons	8472..8848		
Seq. No.	24304	Seq. ID	OJ991214_10.0222.C49
Gene No.	50559	Strand	+
Start	8593	End	8848
Name	OJ991214_10.0222.C49.o3.gs	Method	GENSCAN
Start	8593	End	8833
GI	none	Score	.99
Exons	8593..8833		
Seq. No.	24304	Seq. ID	OJ991214_10.0222.C49
Gene No.	50560	Strand	-
Start	2517	End	4864
Name	OJ991214_10.0222.C49.o1.np	Method	AAT/NAP
Start	2517	End	4864
GI	3075399	Score	497
Exons	2517..2931, 3012..3131, 4265..4492, 4586..4864		
GI Descrip.	(AC004484) putative SF16 protein {Helianthus annuus} [Arabidopsis thaliana]		
Seq. No.	24304	Seq. ID	OJ991214_10.0222.C49
Gene No.	50560	Strand	-
Start	2517	End	4864
Name	OJ991214_10.0222.C49.o1.gp	Method	AAT/GAP
Start	2577	End	3129
GI	LIB3434-028-P1-K1-G10	Score	859
Exons	2577..2931, 3018..3129		
GI Descrip.	'3413697 8.0e-11 (AC004747) SF16-like protein, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	24304	Seq. ID	OJ991214_10.0222.C49
Gene No.	50561	Strand	-
Start	5866	End	6096
Name	OJ991214_10.0222.C49.o1.tm	Method	TBLASTX:Maize
Start	2686	End	3133
GI	none	Score	201
Exons	2686..2883, 2687..2932, 2783..2923, 2958..3131, 2981..3130, 3018..3131, 3019..3132, 3020..3133		

Seq. No.	24304	Seq. ID	OJ991214_10.0222.C49
Gene No.	50561	Strand	-
Start	5866	End	6096
Name	OJ991214_10.0222.C49.o3.gp	Method	AAT/GAP
Start	5866	End	6096
GI	8022_1.R1084	Score	302
Exons	5866..6096		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	24305	Seq. ID	OJ991214_10.0222.C50
Gene No.	50562	Strand	+
Start	72	End	358
Name	OJ991214_10.0222.C50.o1.gs	Method	GENSCAN
Start	72	End	358
GI	none	Score	1
Exons	72..358		

Seq. No.	24305	Seq. ID	OJ991214_10.0222.C50
Gene No.	50563	Strand	+
Start	1919	End	2008
Name	OJ991214_10.0222.C50.o1.gp	Method	AAT/GAP
Start	1919	End	2008
GI	none	Score	161
Exons	1919..2008		

Seq. No.	24305	Seq. ID	OJ991214_10.0222.C50
Gene No.	50564	Strand	-
Start	1198	End	1765
Name	OJ991214_10.0222.C50.o2.gs	Method	GENSCAN
Start	1198	End	1765
GI	none	Score	.57
Exons	1198..1381, 1427..1523, 1633..1765		

Seq. No.	24306	Seq. ID	OJ991214_10.0222.C51
Gene No.	50565	Strand	+
Start	7568	End	9256
Name	OJ991214_10.0222.C51.o2.gs	Method	GENSCAN
Start	7568	End	9256
GI	none	Score	.82
Exons	7568..9256		

Seq. No.	24306	Seq. ID	OJ991214_10.0222.C51
Gene No.	50566	Strand	-
Start	1	End	6223
Name	OJ991214_10.0222.C51.o1.gp	Method	AAT/GAP
Start	1	End	3610

GI	11124_1.R1084	Score	1046
Exons	1..23, 703..774, 1920..2015, 2167..2277, 2734..2871, 3233..3280, 3385..3477, 3572..3610		
GI Descrip.	'2275199 1.0e-42 (AC002337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	24306	Seq. ID	OJ991214_10.0222.C51
Gene No.	50566	Strand	-
Start	1	End	6223
Name	OJ991214_10.0222.C51.o1.np	Method	AAT/NAP
Start	236	End	5569
GI	2275199	Score	808
Exons	236..288, 703..774, 1920..2015, 2167..2297, 2678..2871, 3221..3280, 3385..3639, 4160..4289, 4589..4645, 4729..4788, 4869..4934, 5263..5355, 5447..5569		
GI Descrip.	(AC002337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24306	Seq. ID	OJ991214_10.0222.C51
Gene No.	50566	Strand	-
Start	1	End	6223
Name	OJ991214_10.0222.C51.o1.gs	Method	GENSCAN
Start	703	End	6223
GI	none	Score	.67
Exons	703..774, 1920..2015, 2734..2871, 3233..3280, 3385..3477, 3572..3639, 4160..4289, 4589..4645, 4729..4788, 5260..5355, 5447..5506, 5786..6223		

Seq. No.	24306	Seq. ID	OJ991214_10.0222.C51
Gene No.	50566	Strand	-
Start	1	End	6223
Name	OJ991214_10.0222.C51.o2.gp	Method	AAT/GAP
Start	5233	End	5652
GI	426286	Score	547
Exons	5233..5355, 5447..5652		
GI Descrip.	2275199 1.0e-12 (AC002337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24306	Seq. ID	OJ991214_10.0222.C51
Gene No.	50567	Strand	-
Start	9972	End	10378
Name	OJ991214_10.0222.C51.o2.tm	Method	TBLASTX:Maize
Start	3194	End	3617
GI	none	Score	75
Exons	3194..3283, 3234..3281, 3235..3288, 3385..3480, 3386..3466, 3534..3617, 3548..3616		

Seq. No.	24306	Seq. ID	OJ991214_10.0222.C51
Gene No.	50567	Strand	-
Start	9972	End	10378
Name	OJ991214_10.0222.C51.o1.ts	Method	TBLASTX:Soybean
Start	4580	End	5561
GI	none	Score	57
Exons	4580..4648, 4591..4638, 4693..4788, 4730..4789, 4864..4935, 4866..4943, 5278..5331, 5332..5358, 5336..5356, 5444..5506, 5445..5507, 5501..5560, 5514..5561		

Seq. No.	24306	Seq. ID	OJ991214_10.0222.C51

Gene No.	50567	Strand	-
Start	9972	End	10378
Name	OJ991214_10.0222.C51.o1.tm	Method	TBLASTX:Maize
Start	5270	End	5561
GI	none	Score	115
Exons	5270..5356, 5273..5356, 5275..5358, 5284..5358, 5444..5560, 5445..5561		

Seq. No.	24306	Seq. ID	OJ991214_10.0222.C51
Gene No.	50567	Strand	-
Start	9972	End	10378
Name	OJ991214_10.0222.C51.o1.tw	Method	TBLASTX:Wheat
Start	8725	End	10378
GI	none	Score	193
Exons	8725..8874, 8726..8965, 8789..8887, 10153..10347, 10164..10352, 10167..10346, 10187..10378		

Seq. No.	24306	Seq. ID	OJ991214_10.0222.C51
Gene No.	50567	Strand	-
Start	9972	End	10378
Name	OJ991214_10.0222.C51.o3.gs	Method	GENSCAN
Start	9972	End	10283
GI	none	Score	.65
Exons	9972..10283		

Seq. No.	24307	Seq. ID	OJ991214_10.0222.C52
Gene No.	50568	Strand	+
Start	1006	End	3591
Name	OJ991214_10.0222.C52.o1.np	Method	AAT/NAP
Start	1006	End	3591
GI	461736	Score	85
Exons	1006..1174, 3431..3591		
GI Descrip.	CHAPERONIN CPN60-2, MITOCHONDRIAL PRECURSOR (HSP60-2) gi|478786|pir||S29316 chaperonin 60 - cucurbit gi|12546|emb|CAA50218| (X70868) chaperonin 60 [Cucurbita sp.]		

Seq. No.	24307	Seq. ID	OJ991214_10.0222.C52
Gene No.	50568	Strand	+
Start	1006	End	3591
Name	OJ991214_10.0222.C52.o1.gp	Method	AAT/GAP
Start	1056	End	1174
GI	3106516	Score	176
Exons	1056..1174		
GI Descrip.	461735/sp|Q05045|CH61_CUCMA 2.0e-22 CHAPERONIN CPN60-1, MITOCHONDRIAL PRECURSOR (HSP60-1) >gi_478785_pir__S29315 chaperonin 60 - cucurbit >gi_12544_emb_CAA50217_ (X70867) chaperonin 60 [Cucurbita sp.]		

Seq. No.	24307	Seq. ID	OJ991214_10.0222.C52
Gene No.	50569	Strand	+
Start	4611	End	5272
Name	OJ991214_10.0222.C52.o1.tm	Method	TBLASTX:Maize
Start	1005	End	5265
GI	none	Score	42
Exons	1005..1055, 1006..1047, 1081..1173, 1083..1175, 4872..4973, 4873..4980, 4882..4977, 5111..5245, 5112..5252, 5112..5264, 5113..5265		

Seq. No.	24307	Seq. ID	OJ991214_10.0222.C52
Gene No.	50569	Strand	+
Start	4611	End	5272
Name	OJ991214_10.0222.C52.o1.tc	Method	TBLASTX:Cress
Start	1081	End	5271
GI	none	Score	115
Exons	1081..1173, 1083..1175, 4855..4974, 4869..4973, 5112..5270, 5113..5271		

Seq. No.	24307	Seq. ID	OJ991214_10.0222.C52
Gene No.	50569	Strand	+
Start	4611	End	5272
Name	OJ991214_10.0222.C52.o1.ts	Method	TBLASTX:Soybean
Start	1081	End	5271
GI	none	Score	115
Exons	1081..1173, 1083..1175, 4840..4974, 4869..4973, 5112..5270, 5113..5271		

Seq. No.	24307	Seq. ID	OJ991214_10.0222.C52
Gene No.	50569	Strand	+
Start	4611	End	5272
Name	OJ991214_10.0222.C52.o1.tw	Method	TBLASTX:Wheat
Start	2981	End	3196
GI	none	Score	195
Exons	2981..3196, 2989..3105		

Seq. No.	24307	Seq. ID	OJ991214_10.0222.C52
Gene No.	50569	Strand	+
Start	4611	End	5272
Name	OJ991214_10.0222.C52.o2.gp	Method	AAT/GAP
Start	4611	End	5203
GI	2431137	Score	578
Exons	4611..4722, 4822..4968, 5113..5203		
GI Descrip.	2506275/sp|P29185|CH61_MAIZE 3.0e-13 MITOCHONDRIAL CHAPERONIN HSP60-1 PRECURSOR		

Seq. No.	24307	Seq. ID	OJ991214_10.0222.C52
Gene No.	50569	Strand	+
Start	4611	End	5272
Name	OJ991214_10.0222.C52.o2.np	Method	AAT/NAP
Start	4661	End	5272
GI	2506275	Score	315
Exons	4661..4738, 4846..4968, 5113..5272		
GI Descrip.	CHAPERONIN CPN60-1, MITOCHONDRIAL PRECURSOR (HSP60-1)		

Seq. No.	24308	Seq. ID	OJ991214_10.0222.C53
Gene No.	50570	Strand	+
Start	273	End	6296
Name	OJ991214_10.0222.C53.o1.np	Method	AAT/NAP
Start	273	End	3503
GI	2506275	Score	1209
Exons	273..504, 732..827, 932..1036, 1448..1534, 1621..1710, 1880..1960, 2055..2123, 2185..2262, 2375..2470, 2558..2657, 2779..2882, 2965..3070, 3236..3314, 3403..3503		
GI Descrip.	CHAPERONIN CPN60-1, MITOCHONDRIAL PRECURSOR (HSP60-1)		

Seq. No.	24308	Seq. ID	OJ991214_10.0222.C53
Gene No.	50570	Strand	+
Start	273	End	6296
Name	OJ991214_10.0222.C53.o1.gs	Method	GENSCAN
Start	329	End	5707
GI	none	Score	.67
Exons	329..504, 732..827, 932..1036, 1448..1534, 1621..1710, 1880..1960, 2055..2123, 2185..2262, 2375..2470, 2558..2657, 2779..2882, 2965..3070, 3236..3314, 3403..3512, 4595..5121, 5135..5411, 5547..5707		

Seq. No.	24308	Seq. ID	OJ991214_10.0222.C53
Gene No.	50570	Strand	+
Start	273	End	6296
Name	OJ991214_10.0222.C53.o1.gp	Method	AAT/GAP
Start	1607	End	2587
GI	LIB3432-032-P2-K1-D5	Score	785
Exons	1607..1710, 1880..1960, 2055..2123, 2185..2262, 2375..2470, 2558..2587		
GI Descrip.	'461735/sp|Q05045|CH61_CUCMA 2.0e-22 CHAPERONIN CPN60-1, MITOCHONDRIAL PRECURSOR (HSP60-1) >gi_478785_pir__S29315 chaperonin 60 - cucurbit >gi_12544_emb_CAA50217_ (X70867) chaperonin 60 [Cucurbita sp.]'		

Seq. No.	24308	Seq. ID	OJ991214_10.0222.C53
Gene No.	50570	Strand	+
Start	273	End	6296
Name	OJ991214_10.0222.C53.o2.gp	Method	AAT/GAP
Start	2845	End	3511
GI	286778	Score	579
Exons	2845..2882, 2965..3070, 3236..3314, 3403..3511		
GI Descrip.	2924773 3.0e-28 (AC002334) putative mitochondrial chaperonin HSP60 precursor [Arabidopsis thaliana]		

Seq. No.	24308	Seq. ID	OJ991214_10.0222.C53
Gene No.	50570	Strand	+
Start	273	End	6296
Name	OJ991214_10.0222.C53.o3.gp	Method	AAT/GAP
Start	5332	End	6296
GI	34308_1.R1084	Score	564
Exons	5332..5411, 5547..5663, 6093..6151, 6233..6296		
GI Descrip.	'2924773 3.0e-28 (AC002334) putative mitochondrial chaperonin HSP60 precursor [Arabidopsis thaliana]'		

Seq. No.	24308	Seq. ID	OJ991214_10.0222.C53
Gene No.	50570	Strand	+
Start	273	End	6296
Name	OJ991214_10.0222.C53.o3.np	Method	AAT/NAP
Start	5535	End	6296
GI	3047083	Score	251
Exons	5535..5783, 6200..6296		
GI Descrip.	(AF058914) similar to FLAP endonuclease-1 (SW:P39748) [Arabidopsis thaliana]		

Seq. No.	24308	Seq. ID	OJ991214_10.0222.C53
Gene No.	50571	Strand	-
Start	1731	End	5016

Name	OJ991214_10.0222.C53.o1.tc	Method	TBLASTX:Cress
Start	327	End	3466
GI	none	Score	211
Exons	327..509, 328..510, 723..824, 731..823, 929..1036, 931..1038, 1448..1534, 1615..1731, 1626..1730, 1877..1975, 1880..1975, 1885..1995, 2052..2135, 2063..2125, 2182..2265, 2371..2463, 2372..2473, 2531..2680, 2532..2615, 2552..2659, 2557..2694, 2611..2676, 2777..2881, 2778..2882, 2944..3072, 2961..3077, 3231..3314, 3235..3333, 3401..3466		

Seq. No.	24308	Seq. ID	OJ991214_10.0222.C53
Gene No.	50571	Strand	-
Start	1731	End	5016
Name	OJ991214_10.0222.C53.o3.tm	Method	TBLASTX:Maize
Start	327	End	796
GI	none	Score	265
Exons	327..506, 328..507, 328..507, 723..794, 726..794, 727..795, 727..795, 728..796		

Seq. No.	24308	Seq. ID	OJ991214_10.0222.C53
Gene No.	50571	Strand	-
Start	1731	End	5016
Name	OJ991214_10.0222.C53.o2.ts	Method	TBLASTX:Soybean
Start	327	End	1963
GI	none	Score	217
Exons	327..509, 328..510, 328..531, 723..827, 728..823, 931..1038, 932..1036, 1448..1534, 1615..1731, 1626..1730, 1877..1960, 1880..1963		

Seq. No.	24308	Seq. ID	OJ991214_10.0222.C53
Gene No.	50571	Strand	-
Start	1731	End	5016
Name	OJ991214_10.0222.C53.o1.tm	Method	TBLASTX:Maize
Start	797	End	3514
GI	none	Score	44
Exons	797..829, 798..824, 931..1047, 932..1036, 1448..1534, 1448..1534, 1614..1712, 1614..1730, 1615..1731, 1869..1976, 1880..1978, 1881..1964, 1882..1965, 2052..2135, 2052..2117, 2053..2133, 2183..2260, 2184..2261, 2352..2462, 2371..2469, 2372..2473, 2531..2680, 2538..2615, 2552..2659, 2611..2676, 2756..2884, 2764..2883, 2943..3089, 2944..3072, 2964..3077, 3234..3323, 3235..3312, 3400..3438, 3401..3439, 3482..3511, 3482..3514		

Seq. No.	24308	Seq. ID	OJ991214_10.0222.C53
Gene No.	50571	Strand	-
Start	1731	End	5016
Name	OJ991214_10.0222.C53.o2.np	Method	AAT/NAP
Start	1731	End	5016
GI	5123560	Score	266
Exons	1731..1778, 4267..4341, 4825..5016		
GI Descrip.	(AL079344) putative protein [Arabidopsis thaliana]		

Seq. No.	24308	Seq. ID	OJ991214_10.0222.C53
Gene No.	50571	Strand	-
Start	1731	End	5016
Name	OJ991214_10.0222.C53.o1.ts	Method	TBLASTX:Soybean

Start	2233	End	3057
GI	none	Score	41
Exons	2233..2265, 2371..2469, 2372..2473, 2531..2680, 2552..2659, 2611..2676, 2778..2882, 2778..2876, 2943..3038, 2944..3057		

Seq. No.	24308	Seq. ID	OJ991214_10.0222.C53
Gene No.	50571	Strand	-
Start	1731	End	5016
Name	OJ991214_10.0222.C53.o1.tw	Method	TBLASTX:Wheat
Start	4168	End	4330
GI	none	Score	169
Exons	4168..4323, 4208..4330		

Seq. No.	24308	Seq. ID	OJ991214_10.0222.C53
Gene No.	50571	Strand	-
Start	1731	End	5016
Name	OJ991214_10.0222.C53.o2.tm	Method	TBLASTX:Maize
Start	4181	End	5008
GI	none	Score	83
Exons	4181..4342, 4182..4292, 4200..4346, 4208..4342, 4210..4350, 4825..4986, 4895..5008, 4916..5008		

Seq. No.	24308	Seq. ID	OJ991214_10.0222.C53
Gene No.	50572	Strand	
Start	5510	End	6296
Name	OJ991214_10.0222.C53.o2.tc	Method	TBLASTX:Cress
Start	5510	End	6293
GI	none	Score	59
Exons	5510..5611, 5547..5666, 5552..5662, 6092..6151, 6093..6149, 6230..6292, 6231..6293		

Seq. No.	24308	Seq. ID	OJ991214_10.0222.C53
Gene No.	50572	Strand	
Start	5510	End	6296
Name	OJ991214_10.0222.C53.o4.tm	Method	TBLASTX:Maize
Start	5546	End	6296
GI	none	Score	180
Exons	5546..5662, 5547..5666, 5552..5662, 6092..6151, 6093..6149, 6203..6292, 6228..6296, 6231..6293, 6233..6295		

Seq. No.	24308	Seq. ID	OJ991214_10.0222.C53
Gene No.	50572	Strand	
Start	5510	End	6296
Name	OJ991214_10.0222.C53.o3.ts	Method	TBLASTX:Soybean
Start	5547	End	6295
GI	none	Score	185
Exons	5547..5666, 5552..5662, 6092..6151, 6093..6149, 6230..6295, 6231..6293		

Seq. No.	24309	Seq. ID	OJ991214_10.0222.C54
Gene No.	50573	Strand	+
Start	1	End	1447
Name	OJ991214_10.0222.C54.o1.np	Method	AAT/NAP
Start	1	End	1447
GI	3047083	Score	572
Exons	1..124, 318..383, 547..597, 678..797, 869..953, 1067..1148, 1377..1447		

GI Descrip.	(AF058914) similar to FLAP endonuclease-1 (SW:P39748) [Arabidopsis thaliana]		
Seq. No.	24309	Seq. ID	OJ991214_10.0222.C54
Gene No.	50573	Strand	+
Start	1	End	1447
Name	OJ991214_10.0222.C54.o1.gs	Method	GENSCAN
Start	59	End	1148
GI	none	Score	.84
Exons	59..124, 318..383, 678..797, 869..953, 1067..1148		

Seq. No.	24309	Seq. ID	OJ991214_10.0222.C54
Gene No.	50573	Strand	+
Start	1	End	1447
Name	OJ991214_10.0222.C54.o1.tm	Method	TBLASTX:Maize
Start	701	End	1446
GI	none	Score	135
Exons	701..799, 708..800, 860..958, 866..958, 867..959, 1051..1149, 1064..1147, 1065..1154, 1065..1148, 1079..1159, 1374..1445, 1374..1445, 1375..1446		

Seq. No.	24309	Seq. ID	OJ991214_10.0222.C54
Gene No.	50573	Strand	+
Start	1	End	1447
Name	OJ991214_10.0222.C54.o2.gp	Method	AAT/GAP
Start	752	End	1447
GI	18981_1.R1084	Score	484
Exons	752..797, 869..953, 1067..1148, 1377..1447		
GI Descrip.	'3047083 2.0e-55 (AF058914) similar to FLAP endonuclease-1 (SW:P39748) [Arabidopsis thaliana]'		

Seq. No.	24310	Seq. ID	OJ991214_05.0214.C2
Gene No.	50574	Strand	+
Start	253	End	442
Name	OJ991214_05.0214.C2.o1.gs	Method	GENSCAN
Start	253	End	442
GI	none	Score	.85
Exons	253..374, 433..442		

Seq. No.	24311	Seq. ID	OJ991214_05.0214.C3
Gene No.	50575	Strand	+
Start	298	End	614
Name	OJ991214_05.0214.C3.o1.gs	Method	GENSCAN
Start	298	End	614
GI	none	Score	.99
Exons	298..382, 510..614		

Seq. No.	24312	Seq. ID	OJ991214_05.0214.C4
Gene No.	50576	Strand	+
Start	1	End	960
Name	OJ991214_05.0214.C4.o1.np	Method	AAT/NAP
Start	1	End	960
GI	6630685	Score	915
Exons	1..960		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	24312	Seq. ID	OJ991214_05.0214.C4
Gene No.	50577	Strand	+
Start	11252	End	16163
Name	OJ991214_05.0214.C4.o3.gs	Method	GENSCAN
Start	11252	End	16163
GI	none	Score	.9
Exons	11252..11283, 11477..11543, 16050..16163		

Seq. No.	24312	Seq. ID	OJ991214_05.0214.C4
Gene No.	50578	Strand	+
Start	19169	End	19912
Name	OJ991214_05.0214.C4.o3.np	Method	AAT/NAP
Start	18221	End	19529
GI	5777617	Score	72
Exons	18221..18244, 19427..19529		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	24312	Seq. ID	OJ991214_05.0214.C4
Gene No.	50578	Strand	+
Start	19169	End	19912
Name	OJ991214_05.0214.C4.o4.gs	Method	GENSCAN
Start	19169	End	19912
GI	none	Score	.52
Exons	19169..19310, 19541..19730, 19735..19912		

Seq. No.	24312	Seq. ID	OJ991214_05.0214.C4
Gene No.	50579	Strand	-
Start	236	End	9223
Name	OJ991214_05.0214.C4.o2.np	Method	AAT/NAP
Start	236	End	9223
GI	6721516	Score	587
Exons	236..402, 1677..1766, 4843..5087, 5502..5742, 6111..6202, 8678..8881, 9106..9223		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	24312	Seq. ID	OJ991214_05.0214.C4
Gene No.	50579	Strand	-
Start	236	End	9223
Name	OJ991214_05.0214.C4.o1.tm	Method	TBLASTX:Maize
Start	298	End	1004
GI	none	Score	309
Exons	298..516, 299..526, 305..526, 520..957, 522..998, 858..1004		

Seq. No.	24312	Seq. ID	OJ991214_05.0214.C4
Gene No.	50579	Strand	-
Start	236	End	9223
Name	OJ991214_05.0214.C4.o1.ts	Method	TBLASTX:Soybean
Start	305	End	969
GI	none	Score	139
Exons	305..517, 317..511, 520..687, 528..680, 721..969, 729..896		

Seq. No.	24312	Seq. ID	OJ991214_05.0214.C4
Gene No.	50579	Strand	-
Start	236	End	9223
Name	OJ991214_05.0214.C4.o1.tw	Method	TBLASTX:Wheat
Start	529	End	909
GI	none	Score	112

Exons	529..702, 597..698, 721..909, 777..896		
Seq. No.	24312	Seq. ID	OJ991214_05.0214.C4
Gene No.	50579	Strand	-
Start	236	End	9223
Name	OJ991214_05.0214.C4.o2.gs	Method	GENSCAN
Start	7448	End	7928
GI	none	Score	.43
Exons	7448..7530, 7565..7928		
Seq. No.	24313	Seq. ID	OJ991214_05.0214.C5
Gene No.	50580	Strand	+
Start	219	End	1084
Name	OJ991214_05.0214.C5.o1.gs	Method	GENSCAN
Start	219	End	1084
GI	none	Score	.59
Exons	219..335, 929..1084		
Seq. No.	24313	Seq. ID	OJ991214_05.0214.C5
Gene No.	50581	Strand	-
Start	330	End	434
Name	OJ991214_05.0214.C5.o1.np	Method	AAT/NAP
Start	330	End	434
GI	5777617	Score	81
Exons	330..434		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	24313	Seq. ID	OJ991214_05.0214.C5
Gene No.	50582	Strand	-
Start	1572	End	2072
Name	OJ991214_05.0214.C5.o2.np	Method	AAT/NAP
Start	1556	End	2072
GI	6453865	Score	114
Exons	1556..1921, 2025..2072		
GI Descrip.	(AC011717) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	24313	Seq. ID	OJ991214_05.0214.C5
Gene No.	50582	Strand	-
Start	1572	End	2072
Name	OJ991214_05.0214.C5.o2.gs	Method	GENSCAN
Start	1572	End	2006
GI	none	Score	.93
Exons	1572..1790, 1806..2006		
Seq. No.	24314	Seq. ID	OJ991214_05.0214.C6
Gene No.	50583	Strand	-
Start	58	End	870
Name	OJ991214_05.0214.C6.o1.gs	Method	GENSCAN
Start	58	End	870
GI	none	Score	.86
Exons	58..283, 791..870		
Seq. No.	24315	Seq. ID	OJ991214_05.0214.C7
Gene No.	50584	Strand	+
Start	1480	End	3773
Name	OJ991214_05.0214.C7.o1.gs	Method	GENSCAN
Start	1480	End	2758

GI	none	Score	.91
Exons	1480..1965, 2048..2758		

Seq. No.	24315	Seq. ID	OJ991214_05.0214.C7
Gene No.	50584	Strand	+
Start	1480	End	3773
Name	OJ991214_05.0214.C7.o1.np	Method	AAT/NAP
Start	1858	End	3773
GI	6967112	Score	320
Exons	1858..1965, 2048..2550, 3729..3773		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	24315	Seq. ID	OJ991214_05.0214.C7
Gene No.	50585	Strand	+
Start	9183	End	13327
Name	OJ991214_05.0214.C7.o3.np	Method	AAT/NAP
Start	9183	End	13327
GI	5262765	Score	172
Exons	9183..9236, 11162..11494, 13108..13164, 13289..13327		
GI Descrip.	(AL080283) putative protein [Arabidopsis thaliana]		

Seq. No.	24315	Seq. ID	OJ991214_05.0214.C7
Gene No.	50586	Strand	+
Start	13677	End	18728
Name	OJ991214_05.0214.C7.o4.gs	Method	GENSCAN
Start	13677	End	18728
GI	none	Score	.8
Exons	13677..13798, 15836..15924, 18595..18728		

Seq. No.	24315	Seq. ID	OJ991214_05.0214.C7
Gene No.	50587	Strand	-
Start	3844	End	7391
Name	OJ991214_05.0214.C7.o2.np	Method	AAT/NAP
Start	3834	End	7391
GI	6522590	Score	1446
Exons	3834..3972, 4001..4226, 4533..6557, 6771..7391		
GI Descrip.	(AL133292) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	24315	Seq. ID	OJ991214_05.0214.C7
Gene No.	50587	Strand	-
Start	3844	End	7391
Name	OJ991214_05.0214.C7.o2.gs	Method	GENSCAN
Start	3844	End	7391
GI	none	Score	.75
Exons	3844..4226, 4533..4730, 4869..5173, 5812..7391		

Seq. No.	24315	Seq. ID	OJ991214_05.0214.C7
Gene No.	50588	Strand	-
Start	11146	End	11499
Name	OJ991214_05.0214.C7.o3.gs	Method	GENSCAN
Start	11146	End	11499
GI	none	Score	.76
Exons	11146..11499		

Seq. No.	24315	Seq. ID	OJ991214_05.0214.C7
Gene No.	50589	Strand	-
Start	12262	End	13159

Name	OJ991214_05.0214.C7.o1.tm	Method	TBLASTX:Maize
Start	1528	End	2252
GI	none	Score	294
Exons	1528..1914, 1600..1908, 1909..1965, 2038..2226, 2045..2242, 2076..2252		

Seq. No.	24315	Seq. ID	OJ991214_05.0214.C7
Gene No.	50589	Strand	-
Start	12262	End	13159
Name	OJ991214_05.0214.C7.o3.ts	Method	TBLASTX:Soybean
Start	2045	End	2410
GI	none	Score	154
Exons	2045..2248, 2117..2218, 2222..2401, 2255..2410		

Seq. No.	24315	Seq. ID	OJ991214_05.0214.C7
Gene No.	50589	Strand	-
Start	12262	End	13159
Name	OJ991214_05.0214.C7.o1.tw	Method	TBLASTX:Wheat
Start	2101	End	2506
GI	none	Score	387
Exons	2101..2322, 2102..2506, 2440..2478		

Seq. No.	24315	Seq. ID	OJ991214_05.0214.C7
Gene No.	50589	Strand	-
Start	12262	End	13159
Name	OJ991214_05.0214.C7.o4.tm	Method	TBLASTX:Maize
Start	2432	End	2752
GI	none	Score	94
Exons	2432..2551, 2437..2547, 2579..2752, 2642..2740		

Seq. No.	24315	Seq. ID	OJ991214_05.0214.C7
Gene No.	50589	Strand	-
Start	12262	End	13159
Name	OJ991214_05.0214.C7.o1.ts	Method	TBLASTX:Soybean
Start	4081	End	5115
GI	none	Score	71
Exons	4081..4227, 4094..4228, 4534..4560, 4579..4782, 4616..4771, 4801..5007, 4820..5011, 5026..5115, 5033..5065		

Seq. No.	24315	Seq. ID	OJ991214_05.0214.C7
Gene No.	50589	Strand	-
Start	12262	End	13159
Name	OJ991214_05.0214.C7.o1.tc	Method	TBLASTX:Cress
Start	4129	End	7256
GI	none	Score	75
Exons	4129..4227, 4585..4767, 4903..5007, 5026..5139, 5342..5473, 5387..5548, 5536..5607, 5574..5714, 5586..5732, 5586..5714, 5589..5714, 5589..5741, 5592..5714, 5592..5720, 5595..5714, 5601..5714, 5745..6017, 5757..6113, 5757..5909, 5757..5876, 5811..6089, 5811..6089, 5826..6080, 5826..5912, 5829..6089, 5880..6095, 5899..6054, 5973..6095, 6111..6140, 6213..6395, 6264..6395, 6264..6413, 6267..6395, 6267..6440, 6267..6389, 6270..6413, 6360..6542, 6363..7046, 6399..6551, 6399..6557, 6399..6542, 6402..6557, 6423..6554, 6552..7025, 6552..6884, 6555..7034, 6555..7025, 6555..7163, 6699..6746, 6769..7020, 6835..7026, 6984..7049, 7050..7175, 7065..7175, 7065..7166, 7065..7166, 7066..7146, 7128..7166, 7188..7223, 7206..7256		

Seq. No.	24315	Seq. ID	OJ991214_05.0214.C7
Gene No.	50589	Strand	-
Start	12262	End	13159
Name	OJ991214_05.0214.C7.o2.tm	Method	TBLASTX:Maize
Start	4540	End	4980
GI	none	Score	106
Exons	4540..4782, 4628..4780, 4672..4782, 4807..4980, 4808..4963		

Seq. No.	24315	Seq. ID	OJ991214_05.0214.C7
Gene No.	50589	Strand	-
Start	12262	End	13159
Name	OJ991214_05.0214.C7.o2.ts	Method	TBLASTX:Soybean
Start	5583	End	7187
GI	none	Score	68
Exons	5583..5717, 5589..5702, 5595..5714, 5604..5717, 5604..5714, 5757..5993, 5764..6054, 5808..6023, 5811..6140, 5811..6089, 5814..6089, 5817..6089, 5826..6065, 5895..6089, 5967..6095, 6000..6089, 6264..6401, 6264..6344, 6267..6554, 6267..6386, 6267..6554, 6399..6548, 6399..6566, 6399..6512, 6402..6524, 6405..6557, 6414..6599, 6541..6666, 6549..6866, 6552..7043, 6553..6723, 6555..6926, 6555..6827, 6576..6926, 6681..7034, 6687..6926, 6729..6848, 6898..7026, 7053..7166, 7059..7175, 7062..7145, 7065..7187, 7065..7142		

Seq. No.	24315	Seq. ID	OJ991214_05.0214.C7
Gene No.	50589	Strand	-
Start	12262	End	13159
Name	OJ991214_05.0214.C7.o3.tm	Method	TBLASTX:Maize
Start	5595	End	7187
GI	none	Score	41
Exons	5595..5717, 5814..6089, 5880..6089, 5961..6095, 6093..6146, 6096..6140, 6261..6377, 6267..6395, 6267..6386, 6402..7037, 6478..6546, 6547..7020, 6552..6809, 6771..7145, 6835..7050, 7050..7187, 7059..7166		

Seq. No.	24315	Seq. ID	OJ991214_05.0214.C7
Gene No.	50589	Strand	-
Start	12262	End	13159
Name	OJ991214_05.0214.C7.o4.np	Method	AAT/NAP
Start	12262	End	13159
GI	2781362	Score	61
Exons	12262..12329, 12659..13159		
GI Descrip.	(AC003113) F24O1.18 [Arabidopsis thaliana] gi|5454187|gb|AAD43602.1|AC005698_1 (AC005698) T3P18.1 [Arabidopsis thaliana]		

Seq. No.	24316	Seq. ID	OJ991214_05.0214.C8
Gene No.	50590	Strand	+
Start	230	End	349
Name	OJ991214_05.0214.C8.o1.np	Method	AAT/NAP
Start	230	End	349
GI	3298536	Score	40
Exons	230..349		
GI Descrip.	(AC004681) unknown protein [Arabidopsis thaliana]		

Seq. No.	24316	Seq. ID	OJ991214_05.0214.C8

Gene No.	50591	Strand	-
Start	2171	End	5289
Name	OJ991214_05.0214.C8.o2.gs	Method	GENSCAN
Start	2171	End	5289
GI	none	Score	.64
Exons	2171..2331, 3342..3503, 5178..5289		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50592	Strand	+
Start	1823	End	1952
Name	OJ991214_05.0214.C9.o1.gs	Method	GENSCAN
Start	1823	End	1952
GI	none	Score	.51
Exons	1823..1952		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50593	Strand	+
Start	7106	End	10782
Name	OJ991214_05.0214.C9.o3.gs	Method	GENSCAN
Start	7106	End	9226
GI	none	Score	.93
Exons	7106..7163, 7339..7634, 7827..7907, 8228..9226		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50593	Strand	+
Start	7106	End	10782
Name	OJ991214_05.0214.C9.o2.np	Method	AAT/NAP
Start	7136	End	8903
GI	3413699	Score	332
Exons	7136..7171, 8216..8462, 8549..8903		
GI Descrip.	(AC004747) putative heat shock transcription factor [Arabidopsis thaliana]		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50593	Strand	+
Start	7106	End	10782
Name	OJ991214_05.0214.C9.o3.np	Method	AAT/NAP
Start	7858	End	10782
GI	322759	Score	121
Exons	7858..7942, 8366..8502, 8831..9156, 10656..10782		
GI Descrip.	pistil extensin-like protein (clone pMG14) - common tobacco (fragment) gi|19927|emb|CAA78393| (Z14015) pistil extensin like protein [Nicotiana tabacum]		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50593	Strand	+
Start	7106	End	10782
Name	OJ991214_05.0214.C9.o1.gp	Method	AAT/GAP
Start	9009	End	9527
GI	5038854	Score	892
Exons	9009..9527		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50594	Strand	+
Start	13203	End	15211
Name	OJ991214_05.0214.C9.o5.gs	Method	GENSCAN
Start	13203	End	15211

GI	none	Score	.78
Exons	13203..13244, 14346..14529, 14569..14647, 14716..15211		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50595	Strand	+
Start	17897	End	22852
Name	OJ991214_05.0214.C9.o6.gs	Method	GENSCAN
Start	17897	End	22852
GI	none	Score	.43
Exons	17897..18133, 21867..22025, 22688..22852		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50596	Strand	+
Start	23173	End	23907
Name	OJ991214_05.0214.C9.o7.gs	Method	GENSCAN
Start	23173	End	23907
GI	none	Score	.97
Exons	23173..23178, 23689..23907		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50597	Strand	+
Start	26914	End	28183
Name	OJ991214_05.0214.C9.o8.gs	Method	GENSCAN
Start	26914	End	28183
GI	none	Score	.53
Exons	26914..26937, 27323..27390, 28069..28183		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50598	Strand	+
Start	29571	End	35282
Name	OJ991214_05.0214.C9.o4.np	Method	AAT/NAP
Start	29562	End	31110
GI	2190540	Score	487
Exons	29562..29768, 29958..30019, 30651..30695, 30894..31110		
GI Descrip.	(AC001229) Similar to Arabidopsis TFL1 (gb|U77674). [Arabidopsis thaliana] gi|4903012|dbj|BAA77838.1| (AB027504) FT [Arabidopsis thaliana] gi|6117978|gb|AAF03936.1|AF152096_1 (AF152096) flowering locus T [Arabidopsis thaliana]		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50598	Strand	+
Start	29571	End	35282
Name	OJ991214_05.0214.C9.o9.gs	Method	GENSCAN
Start	29571	End	35282
GI	none	Score	.61
Exons	29571..29768, 29958..30019, 30224..30314, 30334..30691, 30862..30996, 33473..33543, 34068..34151, 34395..34507, 35177..35282		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50599	Strand	+
Start	35483	End	39544
Name	OJ991214_05.0214.C9.o4.gp	Method	AAT/GAP
Start	35383	End	36483
GI	5004312	Score	802
Exons	35383..35695, 36373..36483		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50599	Strand	+
Start	35483	End	39544
Name	OJ991214_05.0214.C9.o5.np	Method	AAT/NAP
Start	35468	End	39544
GI	4512675	Score	1280
Exons	35468..35695, 36373..36553, 36630..36715, 36821..36925, 37095..37157, 37440..37549, 37680..37799, 37869..37944, 38290..38363, 38510..38674, 39515..39544		
GI Descrip.	(AC006931) putative citrate synthase [Arabidopsis thaliana]		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50599	Strand	+
Start	35483	End	39544
Name	OJ991214_05.0214.C9.o10.gs	Method	GENSCAN
Start	35483	End	39403
GI	none	Score	.96
Exons	35483..35695, 36373..36553, 36630..36715, 36821..36925, 37095..37157, 37440..37549, 37680..37799, 37869..37944, 38290..38363, 38510..38630, 39332..39403		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50599	Strand	+
Start	35483	End	39544
Name	OJ991214_05.0214.C9.o5.gp	Method	AAT/GAP
Start	37101	End	38634
GI	1765_3.R1084	Score	995
Exons	37101..37157, 37440..37549, 37680..37799, 37869..37944, 38290..38363, 38510..38634		
GI Descrip.	'4512675/gb|AAD21729.1| 1.0e-154 (AC006931) putative citrate synthase [Arabidopsis thaliana]'		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50600	Strand	-
Start	4228	End	6034
Name	OJ991214_05.0214.C9.o2.gs	Method	GENSCAN
Start	4228	End	6034
GI	none	Score	.75
Exons	4228..4359, 4771..4836, 5420..5463, 5902..6034		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50600	Strand	-
Start	4228	End	6034
Name	OJ991214_05.0214.C9.o1.np	Method	AAT/NAP
Start	5781	End	5855
GI	5852084	Score	65
Exons	5781..5855		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50601	Strand	-
Start	10461	End	12659
Name	OJ991214_05.0214.C9.o4.gs	Method	GENSCAN
Start	10461	End	12659
GI	none	Score	.66
Exons	10461..10596, 10822..10959, 11701..11986, 12171..12334, 12430..12659		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50602	Strand	-
Start	13007	End	15037
Name	OJ991214_05.0214.C9.o2.tw	Method	TBLASTX:Wheat
Start	8066	End	8623
GI	none	Score	60
Exons	8066..8179, 8282..8461, 8283..8462, 8489..8623, 8548..8607		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50602	Strand	-
Start	13007	End	15037
Name	OJ991214_05.0214.C9.o3.tm	Method	TBLASTX:Maize
Start	8235	End	8590
GI	none	Score	96
Exons	8235..8330, 8276..8347, 8333..8467, 8334..8462, 8516..8590, 8548..8589		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50602	Strand	-
Start	13007	End	15037
Name	OJ991214_05.0214.C9.o2.tc	Method	TBLASTX:Cress
Start	8277	End	8623
GI	none	Score	240
Exons	8277..8462, 8279..8461, 8468..8623, 8546..8623		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50602	Strand	-
Start	13007	End	15037
Name	OJ991214_05.0214.C9.o5.ts	Method	TBLASTX:Soybean
Start	8285	End	8623
GI	none	Score	190
Exons	8285..8482, 8286..8465, 8543..8623, 8548..8616		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50602	Strand	-
Start	13007	End	15037
Name	OJ991214_05.0214.C9.o5.tm	Method	TBLASTX:Maize
Start	8591	End	8989
GI	none	Score	55
Exons	8591..8623, 8747..8902, 8773..8901, 8963..8989		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50602	Strand	-
Start	13007	End	15037
Name	OJ991214_05.0214.C9.o2.tm	Method	TBLASTX:Maize
Start	12217	End	12570
GI	none	Score	107
Exons	12217..12339, 12222..12350, 12223..12339, 12243..12359, 12425..12469, 12429..12488, 12430..12474, 12491..12562, 12491..12559, 12498..12569, 12502..12570		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50602	Strand	-
Start	13007	End	15037
Name	OJ991214_05.0214.C9.o2.ts	Method	TBLASTX:Soybean
Start	12437	End	13625

GI	none	Score	302
Exons	12437..12682, 12438..12686, 12439..12684, 12902..12937, 13001..13054, 13363..13431, 13366..13431, 13543..13623, 13551..13625		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50602	Strand	-
Start	13007	End	15037
Name	OJ991214_05.0214.C9.o2.gp	Method	AAT/GAP
Start	13007	End	15037
GI	none	Score	841
Exons	13007..13052, 13361..13433, 13553..13671, 14804..15037		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50603	Strand	
Start	30888	End	31110
Name	OJ991214_05.0214.C9.o4.ts	Method	TBLASTX:Soybean
Start	30888	End	31109
GI	none	Score	285
Exons	30888..31109, 30889..31107		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50603	Strand	
Start	30888	End	31110
Name	OJ991214_05.0214.C9.o4.tm	Method	TBLASTX:Maize
Start	30889	End	31110
GI	none	Score	256
Exons	30889..31110		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50604	Strand	
Start	35446	End	38642
Name	OJ991214_05.0214.C9.o1.tm	Method	TBLASTX:Maize
Start	35446	End	38642
GI	none	Score	43
Exons	35446..35520, 35489..35521, 35609..35698, 35615..35695, 36368..36547, 36370..36570, 36372..36554, 36611..36715, 36622..36717, 36623..36715, 36628..36717, 36809..36919, 36819..36956, 36821..36925, 37094..37156, 37095..37157, 37096..37164, 37436..37549, 37440..37550, 37492..37602, 37647..37799, 37654..37797, 37669..37818, 37680..37829, 37866..37943, 37867..37944, 37867..37944, 38281..38367, 38287..38364, 38288..38365, 38289..38375, 38507..38632, 38508..38642, 38508..38633		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50604	Strand	
Start	35446	End	38642
Name	OJ991214_05.0214.C9.o1.tc	Method	TBLASTX:Cress
Start	35489	End	38642
GI	none	Score	46
Exons	35489..35521, 35609..35698, 36370..36570, 36372..36575, 36622..36717, 36623..36715, 36820..36924, 36821..36922, 37094..37156, 37095..37157, 37436..37546, 37439..37540, 37440..37550, 37654..37797, 37668..37799, 37728..37829, 37866..37943, 37867..37944, 38544..38642, 38546..38632		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50604	Strand	
Start	35446	End	38642
Name	OJ991214_05.0214.C9.o3.ts	Method	TBLASTX:Soybean
Start	35489	End	36717
GI	none	Score	40
Exons	35489..35521, 35609..35698, 36361..36549, 36364..36552, 36371..36553, 36372..36557, 36632..36715, 36634..36717, 36635..36715, 36637..36717		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50604	Strand	
Start	35446	End	38642
Name	OJ991214_05.0214.C9.o1.tw	Method	TBLASTX:Wheat
Start	35624	End	36916
GI	none	Score	103
Exons	35624..35698, 35624..35695, 35629..35703, 36368..36547, 36370..36570, 36372..36554, 36622..36717, 36623..36715, 36628..36717, 36819..36914, 36821..36916		

Seq. No.	24317	Seq. ID	OJ991214_05.0214.C9
Gene No.	50604	Strand	
Start	35446	End	38642
Name	OJ991214_05.0214.C9.o1.ts	Method	TBLASTX:Soybean
Start	36827	End	38642
GI	none	Score	143
Exons	36827..36925, 36830..36925, 37095..37160, 37445..37549, 37446..37547, 37654..37797, 37668..37799, 37722..37817, 37866..37943, 37867..37944, 38287..38364, 38289..38366, 38507..38632, 38508..38642, 38508..38636		

Seq. No.	24318	Seq. ID	OJ991214_05.0214.C10
Gene No.	50605	Strand	+
Start	416	End	1654
Name	OJ991214_05.0214.C10.o1.gp	Method	AAT/GAP
Start	416	End	1654
GI	1765_3.R1084	Score	1201
Exons	416..514, 592..714, 1229..1654		
GI Descrip.	'4512675/gb|AAD21729.1| 1.0e-154 (AC006931) putative citrate synthase [Arabidopsis thaliana]'		

Seq. No.	24318	Seq. ID	OJ991214_05.0214.C10
Gene No.	50605	Strand	+
Start	416	End	1654
Name	OJ991214_05.0214.C10.o1.np	Method	AAT/NAP
Start	416	End	1357
GI	4512675	Score	422
Exons	416..514, 592..714, 1229..1357		
GI Descrip.	(AC006931) putative citrate synthase [Arabidopsis thaliana]		

Seq. No.	24318	Seq. ID	OJ991214_05.0214.C10
Gene No.	50605	Strand	+
Start	416	End	1654
Name	OJ991214_05.0214.C10.o1.gs	Method	GENSCAN
Start	568	End	1360
GI	none	Score	.41
Exons	568..714, 1229..1360		

Seq. No.	24318	Seq. ID	OJ991214_05.0214.C10
Gene No.	50606	Strand	+
Start	5503	End	5962
Name	OJ991214_05.0214.C10.o2.gs	Method	GENSCAN
Start	5503	End	5962
GI	none	Score	.94
Exons	5503..5635, 5931..5962		

Seq. No.	24318	Seq. ID	OJ991214_05.0214.C10
Gene No.	50607	Strand	-
Start	6242	End	6576
Name	OJ991214_05.0214.C10.o1.tc	Method	TBLASTX:Cress
Start	408	End	1360
GI	none	Score	169
Exons	408..509, 413..514, 415..513, 589..717, 591..716, 1226..1300, 1228..1272, 1283..1360, 1294..1350		

Seq. No.	24318	Seq. ID	OJ991214_05.0214.C10
Gene No.	50607	Strand	-
Start	6242	End	6576
Name	OJ991214_05.0214.C10.o1.tm	Method	TBLASTX:Maize
Start	413	End	1404
GI	none	Score	163
Exons	413..514, 413..553, 432..515, 589..717, 591..716, 1226..1396, 1226..1378, 1228..1404, 1228..1398		

Seq. No.	24318	Seq. ID	OJ991214_05.0214.C10
Gene No.	50607	Strand	-
Start	6242	End	6576
Name	OJ991214_05.0214.C10.o1.ts	Method	TBLASTX:Soybean
Start	413	End	719
GI	none	Score	159
Exons	413..514, 414..500, 415..519, 415..519, 589..717, 591..719		

Seq. No.	24318	Seq. ID	OJ991214_05.0214.C10
Gene No.	50607	Strand	-
Start	6242	End	6576
Name	OJ991214_05.0214.C10.o1.tw	Method	TBLASTX:Wheat
Start	610	End	1398
GI	none	Score	109
Exons	610..714, 631..717, 1205..1363, 1226..1366, 1228..1365, 1369..1398		

Seq. No.	24318	Seq. ID	OJ991214_05.0214.C10
Gene No.	50607	Strand	-
Start	6242	End	6576
Name	OJ991214_05.0214.C10.o3.gs	Method	GENSCAN
Start	6242	End	6576
GI	none	Score	.84
Exons	6242..6576		

Seq. No.	24319	Seq. ID	OJ991214_05.0214.C11
Gene No.	50608	Strand	+
Start	203	End	2463
Name	OJ991214_05.0214.C11.o1.gs	Method	GENSCAN
Start	203	End	1867

GI	none	Score	.68
Exons	203..404, 538..609, 688..797, 1773..1867		

Seq. No.	24319	Seq. ID	OJ991214_05.0214.C11
Gene No.	50608	Strand	+
Start	203	End	2463
Name	OJ991214_05.0214.C11.o1.tm	Method	TBLASTX:Maize
Start	688	End	2463
GI	none	Score	115
Exons	688..780, 688..756, 695..757, 837..914, 837..908, 1395..1475, 1398..1463, 1399..1473, 1399..1476, 1893..1970, 1895..1963, 1902..1970, 1903..1971, 2045..2119, 2046..2117, 2224..2298, 2227..2298, 2228..2299, 2228..2299, 2232..2300, 2364..2462, 2391..2453, 2392..2463, 2395..2463		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50609	Strand	+
Start	1	End	7059
Name	OJ991214_05.0214.C12.o1.np	Method	AAT/NAP
Start	1	End	5945
GI	2465923	Score	961
Exons	1..314, 1301..1500, 1631..1729, 2528..2682, 3136..3346, 3482..3716, 3829..3979, 4647..4832, 5760..5945		
GI Descrip.	(AF024648) receptor-like serine/threonine kinase [Arabidopsis thaliana]		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50609	Strand	+
Start	1	End	7059
Name	OJ991214_05.0214.C12.o1.gs	Method	GENSCAN
Start	207	End	7059
GI	none	Score	.63
Exons	207..314, 1301..1496, 2528..2682, 3136..3346, 3482..3716, 3829..3979, 4647..4962, 6033..6118, 6323..6553, 6594..6799, 6825..7059		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50609	Strand	+
Start	1	End	7059
Name	OJ991214_05.0214.C12.o1.gp	Method	AAT/GAP
Start	3942	End	5006
GI	LIB3433-040-P1-K1-H2	Score	737
Exons	3942..3979, 4647..5006		
GI Descrip.	'6056376/gb|AAF02840.1|AC009894_11 5.0e-10 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50609	Strand	+
Start	1	End	7059
Name	OJ991214_05.0214.C12.o2.gp	Method	AAT/GAP
Start	6245	End	6725
GI	111_9.R1084	Score	727
Exons	6245..6725		
GI Descrip.	'4884524/dbj|BAA77780.1| 5.0e-64 (AB027427) class III chitinase homologue (OsChib3H-h) [Oryza sativa]'		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12

Gene No.	50609	Strand	+
Start	1	End	7059
Name	OJ991214_05.0214.C12.o2.np	Method	AAT/NAP
Start	6292	End	6728
GI	4884524	Score	629
Exons	6292..6728		
GI Descrip.	(AB027427) class III chitinase homologue (OsChib3H-h) [Oryza sativa]		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o3.ts	Method	TBLASTX:Soybean
Start	1	End	314
GI	none	Score	138
Exons	1..192, 3..122, 176..310, 192..314		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o2.ts	Method	TBLASTX:Soybean
Start	1283	End	4832
GI	none	Score	177
Exons	1283..1489, 1289..1465, 1300..1491, 1387..1491, 2593..2682, 2595..2675, 3133..3351, 3134..3349, 3481..3681, 3504..3680, 3676..3717, 3823..3978, 3824..3979, 3834..3980, 4656..4754, 4667..4753, 4743..4832, 4745..4825		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o2.tm	Method	TBLASTX:Maize
Start	3133	End	3850
GI	none	Score	348
Exons	3133..3354, 3135..3260, 3318..3353, 3474..3716, 3481..3717, 3824..3850		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o3.tc	Method	TBLASTX:Cress
Start	3133	End	3350
GI	none	Score	276
Exons	3133..3348, 3135..3257, 3318..3350		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o2.tw	Method	TBLASTX:Wheat
Start	3133	End	3636
GI	none	Score	197
Exons	3133..3348, 3135..3260, 3474..3626, 3478..3636		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o2.tc	Method	TBLASTX:Cress

Start	3508	End	3988
GI	none	Score	214
Exons	3508..3684, 3510..3680, 3673..3717, 3823..3984, 3824..3979, 3845..3988		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o4.tc	Method	TBLASTX:Cress
Start	6371	End	6797
GI	none	Score	93
Exons	6371..6487, 6540..6650, 6708..6797		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o4.ts	Method	TBLASTX:Soybean
Start	6371	End	6797
GI	none	Score	99
Exons	6371..6487, 6540..6659, 6717..6797		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o3.tm	Method	TBLASTX:Maize
Start	6374	End	6650
GI	none	Score	140
Exons	6374..6484, 6379..6483, 6476..6538, 6491..6544, 6527..6583, 6540..6587, 6588..6650		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o3.tw	Method	TBLASTX:Wheat
Start	6374	End	6587
GI	none	Score	122
Exons	6374..6478, 6379..6477, 6482..6538, 6524..6583, 6525..6587		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o3.gp	Method	AAT/GAP
Start	8154	End	10829
GI	719_1.R1084	Score	2203
Exons	8154..8798, 10162..10223, 10407..10829		
GI Descrip.	'1076748/pir||S52003 1.0e-140 major intrinsic protein - rice >gi_440869_dbj_BAA04257_ (D17443) major intrinsic protein [Oryza sativa]'		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o2.gs	Method	GENSCAN
Start	8576	End	10703
GI	none	Score	.93
Exons	8576..8798, 10162..10223, 10407..10703		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o1.tm	Method	TBLASTX:Maize
Start	8579	End	10829
GI	none	Score	150
Exons	8579..8689, 8586..8798, 8588..8797, 10153..10230, 10155..10223, 10156..10227, 10392..10829, 10408..10827, 10743..10829		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o3.np	Method	AAT/NAP
Start	8579	End	10829
GI	1076748	Score	1143
Exons	8579..8798, 10162..10223, 10407..10829		
GI Descrip.	major intrinsic protein - rice gi|440869|dbj|BAA04257| (D17443) major intrinsic protein [Oryza sativa]		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o1.tw	Method	TBLASTX:Wheat
Start	8579	End	10225
GI	none	Score	201
Exons	8579..8800, 8588..8797, 10155..10220, 10161..10220, 10184..10225		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o1.tc	Method	TBLASTX:Cress
Start	8600	End	10829
GI	none	Score	105
Exons	8600..8797, 8604..8798, 10150..10230, 10155..10223, 10392..10532, 10408..10557, 10510..10827, 10521..10829		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o5.ts	Method	TBLASTX:Soybean
Start	8606	End	10223
GI	none	Score	124
Exons	8606..8797, 8607..8798, 10155..10223		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o1.ts	Method	TBLASTX:Soybean
Start	10398	End	10829
GI	none	Score	376
Exons	10398..10829, 10402..10824		

Seq. No.	24320	Seq. ID	OJ991214_05.0214.C12
Gene No.	50610	Strand	-
Start	8576	End	10829
Name	OJ991214_05.0214.C12.o4.tw	Method	TBLASTX:Wheat
Start	10630	End	10829

GI	none	Score	85
Exons	10630..10716, 10632..10829		

Seq. No.	24321	Seq. ID	OJ991214_05.0214.C13
Gene No.	50611	Strand	+
Start	880	End	1147
Name	OJ991214_05.0214.C13.o2.gp	Method	AAT/GAP
Start	880	End	1147
GI	LIB3434-035-P1-K1-A7	Score	466
Exons	880..1147		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	24321	Seq. ID	OJ991214_05.0214.C13
Gene No.	50612	Strand	-
Start	1	End	226
Name	OJ991214_05.0214.C13.o1.gp	Method	AAT/GAP
Start	1	End	226
GI	719_1.R1084	Score	419
Exons	1..226		
GI Descrip.	'1076748/pir||S52003 1.0e-140 major intrinsic protein - rice >gi_440869_dbj_BAA04257_ (D17443) major intrinsic protein [Oryza sativa]'		

Seq. No.	24321	Seq. ID	OJ991214_05.0214.C13
Gene No.	50613	Strand	-
Start	5457	End	22038
Name	OJ991214_05.0214.C13.o2.gs	Method	GENSCAN
Start	5457	End	22038
GI	none	Score	.48
Exons	5457..5664, 7976..8056, 9950..10014, 10372..10404, 15890..16013, 16019..16275, 18017..18245, 19244..19407, 21575..21754, 21919..22038		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50614	Strand	+
Start	1243	End	5334
Name	OJ991214_05.0214.C14.o1.gs	Method	GENSCAN
Start	1243	End	5334
GI	none	Score	.73
Exons	1243..1389, 1819..2175, 2233..2370, 2449..2691, 3513..3713, 3812..4007, 5144..5334		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50614	Strand	+
Start	1243	End	5334
Name	OJ991214_05.0214.C14.o1.np	Method	AAT/NAP
Start	2987	End	5294
GI	6321137	Score	269
Exons	2987..3065, 3532..3713, 3812..4007, 5144..5294		
GI Descrip.	Yfr024c-ap gi|1362490|pir||S58653 hypothetical protein YFR024c-a - yeast (Saccharomyces cerevisiae)		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50615	Strand	+
Start	14106	End	14928
Name	OJ991214_05.0214.C14.o3.gs	Method	GENSCAN

Start	14106	End	14928
GI	none	Score	.6
Exons	14106..14319, 14834..14928		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50616	Strand	+
Start	27344	End	36895
Name	OJ991214_05.0214.C14.o6.gs	Method	GENSCAN
Start	27344	End	36895
GI	none	Score	.4
Exons	27344..27451, 27578..27736, 27759..27990, 28405..28528, 28836..28982, 31091..31120, 31845..31938, 32533..33177, 34046..34091, 34341..34651, 34710..34761, 35542..35604, 36828..36895		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50616	Strand	+
Start	27344	End	36895
Name	OJ991214_05.0214.C14.o5.np	Method	AAT/NAP
Start	28724	End	30386
GI	5903071	Score	170
Exons	28724..29026, 30279..30386		
GI Descrip.	(AC008017) Unknown protein [Arabidopsis thaliana]		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50616	Strand	+
Start	27344	End	36895
Name	OJ991214_05.0214.C14.o4.gp	Method	AAT/GAP
Start	36280	End	36773
GI	576771	Score	801
Exons	36280..36492, 36519..36773		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50617	Strand	-
Start	1815	End	2007
Name	OJ991214_05.0214.C14.o2.gp	Method	AAT/GAP
Start	1815	End	2007
GI	2310984	Score	276
Exons	1815..2007		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50618	Strand	-
Start	7083	End	10153
Name	OJ991214_05.0214.C14.o2.gs	Method	GENSCAN
Start	7083	End	10153
GI	none	Score	.93
Exons	7083..7913, 9932..10153		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50618	Strand	-
Start	7083	End	10153
Name	OJ991214_05.0214.C14.o2.np	Method	AAT/NAP
Start	7095	End	10147
GI	2832617	Score	606
Exons	7095..7408, 7577..7676, 7710..7913, 9932..10147		

GI Descrip. (AL021711) putative protein [Arabidopsis thaliana]

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50619	Strand	-
Start	17208	End	21096
Name	OJ991214_05.0214.C14.o3.np	Method	AAT/NAP
Start	17208	End	21096
GI	6539553	Score	6359
Exons	17208..21096		

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o3.tw	Method	TBLASTX:Wheat
Start	875	End	18555
GI	none	Score	57
Exons	875..964, 18064..18216, 18211..18555, 18425..18538		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o1.tc	Method	TBLASTX:Cress
Start	1936	End	2457
GI	none	Score	184
Exons	1936..2103, 1947..2021, 2101..2457, 2139..2456		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o6.tm	Method	TBLASTX:Maize
Start	1970	End	2277
GI	none	Score	114
Exons	1970..2086, 1971..2054, 1972..2142, 1975..2148, 2148..2204, 2149..2205, 2229..2276, 2233..2277		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o3.ts	Method	TBLASTX:Soybean
Start	2262	End	2589
GI	none	Score	171
Exons	2262..2579, 2263..2406, 2266..2586, 2443..2589		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o9.tm	Method	TBLASTX:Maize
Start	2284	End	2625
GI	none	Score	260
Exons	2284..2625, 2292..2510, 2402..2599, 2544..2624		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-

Start	21324	End	26107
Name	OJ991214_05.0214.C14.o1.ts	Method	TBLASTX:Soybean
Start	2589	End	4012
GI	none	Score	112
Exons	2589..2663, 2590..2694, 3506..3712, 3510..3713, 3560..3715, 3808..4008, 3809..4012		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o6.tw	Method	TBLASTX:Wheat
Start	2599	End	3847
GI	none	Score	94
Exons	2599..2694, 2614..2691, 3506..3709, 3509..3694, 3510..3716, 3809..3847, 3811..3846		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o2.tm	Method	TBLASTX:Maize
Start	2626	End	4023
GI	none	Score	93
Exons	2626..2694, 3510..3713, 3511..3714, 3512..3712, 3613..3720, 3789..3896, 3802..4023, 3807..3947, 3808..4008, 3809..4015		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o11.tm	Method	TBLASTX:Maize
Start	5160	End	5350
GI	none	Score	213
Exons	5160..5327, 5161..5310, 5168..5350		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o10.tm	Method	TBLASTX:Maize
Start	9932	End	10126
GI	none	Score	232
Exons	9932..10126		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o3.tc	Method	TBLASTX:Cress
Start	9932	End	10126
GI	none	Score	91
Exons	9932..10126, 9933..10040		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o6.ts	Method	TBLASTX:Soybean
Start	9932	End	10075
GI	none	Score	83
Exons	9932..10075, 9933..10040		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o2.tw	Method	TBLASTX:Wheat
Start	17344	End	17820
GI	none	Score	353
Exons	17344..17730, 17382..17729, 17739..17819, 17745..17819, 17749..17820		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o8.ts	Method	TBLASTX:Soybean
Start	17472	End	17813
GI	none	Score	84
Exons	17472..17681, 17493..17669, 17551..17676, 17700..17813, 17707..17787		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o8.tm	Method	TBLASTX:Maize
Start	17676	End	18008
GI	none	Score	195
Exons	17676..18008, 17677..18000, 17718..18008		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o7.ts	Method	TBLASTX:Soybean
Start	17826	End	18157
GI	none	Score	56
Exons	17826..18077, 17971..18090, 18064..18156, 18083..18157		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o5.tm	Method	TBLASTX:Maize
Start	18091	End	18556
GI	none	Score	55
Exons	18091..18555, 18194..18304, 18374..18556		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o2.ts	Method	TBLASTX:Soybean
Start	18226	End	18690
GI	5509260	Score	58
Exons	18226..18690, 18245..18304, 18377..18595		
GI Descrip.	-		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o2.tc	Method	TBLASTX:Cress
Start	18337	End	18598
GI	none	Score	98

Exons	18337..18576, 18419..18571, 18560..18598		
Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o1.tw	Method	TBLASTX:Wheat
Start	18613	End	19365
GI	none	Score	196
Exons	18613..18819, 18614..18781, 18627..19289, 18628..19323, 18909..19358, 18916..19365		
Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o4.tc	Method	TBLASTX:Cress
Start	18991	End	19380
GI	none	Score	111
Exons	18991..19185, 19198..19380		
Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o4.ts	Method	TBLASTX:Soybean
Start	19015	End	19413
GI	none	Score	38
Exons	19015..19188, 19142..19180, 19189..19413, 19204..19398, 19238..19405		
Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o7.tm	Method	TBLASTX:Maize
Start	19201	End	19635
GI	none	Score	70
Exons	19201..19635, 19274..19420		
Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o5.tw	Method	TBLASTX:Wheat
Start	19366	End	19560
GI	none	Score	188
Exons	19366..19560, 19366..19557		
Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o9.ts	Method	TBLASTX:Soybean
Start	19423	End	19809
GI	none	Score	88
Exons	19423..19671, 19654..19809		
Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o3.tm	Method	TBLASTX:Maize
Start	19836	End	20158

GI	none	Score	374
Exons	19836..20003, 19837..20151, 19838..20125, 19904..20158		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o4.tm	Method	TBLASTX:Maize
Start	20654	End	20967
GI	none	Score	273
Exons	20654..20944, 20656..20967, 20659..20949		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o4.tw	Method	TBLASTX:Wheat
Start	20715	End	21105
GI	none	Score	238
Exons	20715..20867, 20716..21105, 20717..21103		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o5.gs	Method	GENSCAN
Start	21324	End	26107
GI	none	Score	.63
Exons	21324..21535, 21728..21773, 23660..23836, 25598..26046, 26098..26107		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o3.gp	Method	AAT/GAP
Start	25215	End	25598
GI	3769093	Score	714
Exons	25215..25598		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o5.ts	Method	TBLASTX:Soybean
Start	25522	End	25768
GI	none	Score	260
Exons	25522..25620, 25547..25768, 25548..25766, 25667..25768		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o1.tm	Method	TBLASTX:Maize
Start	25550	End	26089
GI	none	Score	522
Exons	25550..26089, 25551..25991, 25741..25992		

Seq. No.	24322	Seq. ID	OJ991214_05.0214.C14
Gene No.	50620	Strand	-
Start	21324	End	26107
Name	OJ991214_05.0214.C14.o4.np	Method	AAT/NAP
Start	25556	End	25915

GI	6136502	Score	424
Exons	25556..25915		
GI Descrip.	YCF20-LIKE PROTEIN gi|3335348 (AC004512) T8F5.20 [Arabidopsis thaliana]		

Seq. No.	24323	Seq. ID	OJ991214_05.0214.C15
Gene No.	50621	Strand	-
Start	682	End	3749
Name	OJ991214_05.0214.C15.o1.gs	Method	GENSCAN
Start	682	End	3489
GI	none	Score	.47
Exons	682..1110, 1173..1633, 2228..2404, 3231..3489		

Seq. No.	24323	Seq. ID	OJ991214_05.0214.C15
Gene No.	50621	Strand	-
Start	682	End	3749
Name	OJ991214_05.0214.C15.o2.tm	Method	TBLASTX:Maize
Start	1995	End	2423
GI	none	Score	112
Exons	1995..2120, 2086..2280, 2190..2423		

Seq. No.	24323	Seq. ID	OJ991214_05.0214.C15
Gene No.	50621	Strand	-
Start	682	End	3749
Name	OJ991214_05.0214.C15.o2.np	Method	AAT/NAP
Start	2094	End	3749
GI	4538896	Score	1395
Exons	2094..3127, 3189..3749		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	24323	Seq. ID	OJ991214_05.0214.C15
Gene No.	50621	Strand	-
Start	682	End	3749
Name	OJ991214_05.0214.C15.o1.tm	Method	TBLASTX:Maize
Start	2904	End	3297
GI	none	Score	90
Exons	2904..2981, 2988..3110, 3124..3297, 3125..3271		

Seq. No.	24323	Seq. ID	OJ991214_05.0214.C15
Gene No.	50621	Strand	-
Start	682	End	3749
Name	OJ991214_05.0214.C15.o3.tm	Method	TBLASTX:Maize
Start	3298	End	3519
GI	none	Score	78
Exons	3298..3519, 3331..3498, 3332..3499		

Seq. No.	24324	Seq. ID	OJ991214_05.0214.C16
Gene No.	50622	Strand	-
Start	2400	End	2844
Name	OJ991214_05.0214.C16.o1.np	Method	AAT/NAP
Start	2400	End	2844
GI	4959635	Score	201
Exons	2400..2844		
GI Descrip.	(AF084445) calmodulin mutant SYNCAM17 [synthetic construct]		

Seq. No.	24324	Seq. ID	OJ991214_05.0214.C16
Gene No.	50623	Strand	-

Start	7332	End	7406
Name	OJ991214_05.0214.C16.o3.gs	Method	GENSCAN
Start	7332	End	7406
GI	none	Score	.94
Exons	7332..7406		

Seq. No.	24325	Seq. ID	OJ991214_05.0214.C17
Gene No.	50624	Strand	+
Start	1	End	3498
Name	OJ991214_05.0214.C17.o1.np	Method	AAT/NAP
Start	1	End	3498
GI	3176691	Score	392
Exons	1..48, 416..575, 1053..1223, 1535..1751, 2999..3498		
GI Descrip.	(AC003671) Contains homology to serine/threonine protein kinase gb|X99618 from Mycobacterium tuberculosis. ESTs gb|F14403, gb|F14404, and gb|N96730 come from this gene. [Arabidopsis thaliana]		

Seq. No.	24325	Seq. ID	OJ991214_05.0214.C17
Gene No.	50624	Strand	+
Start	1	End	3498
Name	OJ991214_05.0214.C17.o1.gs	Method	GENSCAN
Start	399	End	2938
GI	none	Score	.81
Exons	399..575, 1053..1223, 1535..1744, 2853..2938		

Seq. No.	24325	Seq. ID	OJ991214_05.0214.C17
Gene No.	50624	Strand	+
Start	1	End	3498
Name	OJ991214_05.0214.C17.o1.tc	Method	TBLASTX:Cress
Start	1045	End	1626
GI	none	Score	183
Exons	1045..1227, 1055..1228, 1533..1556, 1539..1625, 1540..1626		

Seq. No.	24325	Seq. ID	OJ991214_05.0214.C17
Gene No.	50624	Strand	+
Start	1	End	3498
Name	OJ991214_05.0214.C17.o1.ts	Method	TBLASTX:Soybean
Start	1052	End	1228
GI	none	Score	250
Exons	1052..1156, 1054..1227, 1055..1228		

Seq. No.	24325	Seq. ID	OJ991214_05.0214.C17
Gene No.	50624	Strand	+
Start	1	End	3498
Name	OJ991214_05.0214.C17.o1.tm	Method	TBLASTX:Maize
Start	1054	End	1731
GI	none	Score	172
Exons	1054..1227, 1055..1228, 1521..1712, 1531..1731, 1533..1664, 1534..1722		

Seq. No.	24325	Seq. ID	OJ991214_05.0214.C17
Gene No.	50624	Strand	+
Start	1	End	3498
Name	OJ991214_05.0214.C17.o1.gp	Method	AAT/GAP
Start	1109	End	1737
GI	uC-osflcyp107d01b1	Score	584

Exons	1109..1223, 1535..1737		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	24325	Seq. ID	OJ991214_05.0214.C17
Gene No.	50624	Strand	+
Start	1	End	3498
Name	OJ991214_05.0214.C17.o1.tw	Method	TBLASTX:Wheat
Start	1533	End	1745
GI	none	Score	78
Exons	1533..1622, 1533..1745, 1534..1722		

Seq. No.	24325	Seq. ID	OJ991214_05.0214.C17
Gene No.	50624	Strand	+
Start	1	End	3498
Name	OJ991214_05.0214.C17.o2.ts	Method	TBLASTX:Soybean
Start	1560	End	2922
GI	none	Score	89
Exons	1560..1691, 1560..1712, 1561..1743, 1561..1722, 2848..2922, 2849..2920		

Seq. No.	24326	Seq. ID	OJ991214_05.0214.C18
Gene No.	50625	Strand	
Start	766	End	1064
Name	OJ991214_05.0214.C18.o1.tm	Method	TBLASTX:Maize
Start	766	End	1064
GI	none	Score	166
Exons	766..888, 767..886, 961..1062, 963..1064		

Seq. No.	24327	Seq. ID	OJ991214_05.0214.C20
Gene No.	50626	Strand	
Start	258	End	593
Name	OJ991214_05.0214.C20.o1.tm	Method	TBLASTX:Maize
Start	258	End	593
GI	none	Score	507
Exons	258..593, 259..591		

Seq. No.	24327	Seq. ID	OJ991214_05.0214.C20
Gene No.	50626	Strand	
Start	258	End	593
Name	OJ991214_05.0214.C20.o1.ts	Method	TBLASTX:Soybean
Start	259	End	431
GI	none	Score	206
Exons	259..429, 264..431		

Seq. No.	24328	Seq. ID	OJ991214_05.0214.C21
Gene No.	50627	Strand	+
Start	205	End	1148
Name	OJ991214_05.0214.C21.o1.gs	Method	GENSCAN
Start	205	End	997
GI	none	Score	.75
Exons	205..378, 584..997		

Seq. No.	24328	Seq. ID	OJ991214_05.0214.C21
Gene No.	50627	Strand	+
Start	205	End	1148
Name	OJ991214_05.0214.C21.o1.np	Method	AAT/NAP

Start	623	End	1148
GI	5902448	Score	881
Exons	623..1148		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	24328	Seq. ID	OJ991214_05.0214.C21
Gene No.	50627	Strand	+
Start	205	End	1148
Name	OJ991214_05.0214.C21.o1.tw	Method	TBLASTX:Wheat
Start	719	End	1033
GI	none	Score	208
Exons	719..1033, 928..993		

Seq. No.	24329	Seq. ID	OJ991214_05.0214.C22
Gene No.	50628	Strand	+
Start	1	End	623
Name	OJ991214_05.0214.C22.o1.np	Method	AAT/NAP
Start	1	End	623
GI	5902447	Score	377
Exons	1..623		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	24329	Seq. ID	OJ991214_05.0214.C22
Gene No.	50628	Strand	+
Start	1	End	623
Name	OJ991214_05.0214.C22.o1.gs	Method	GENSCAN
Start	61	End	593
GI	none	Score	.49
Exons	61..162, 207..593		

Seq. No.	24330	Seq. ID	OJ991214_05.0214.C27
Gene No.	50629	Strand	+
Start	1	End	434
Name	OJ991214_05.0214.C27.o1.gp	Method	AAT/GAP
Start	1	End	434
GI	none	Score	824
Exons	1..434		

Seq. No.	24330	Seq. ID	OJ991214_05.0214.C27
Gene No.	50630	Strand	-
Start	331	End	439
Name	OJ991214_05.0214.C27.o1.tm	Method	TBLASTX:Maize
Start	306	End	439
GI	none	Score	79
Exons	306..434, 313..435, 322..438, 323..439		

Seq. No.	24330	Seq. ID	OJ991214_05.0214.C27
Gene No.	50630	Strand	-
Start	331	End	439
Name	OJ991214_05.0214.C27.o1.np	Method	AAT/NAP
Start	331	End	438
GI	4455252	Score	124
Exons	331..438		
GI Descrip.	(AL035523) respiratory burst oxidase-like protein [Arabidopsis thaliana]		

Seq. No.	24331	Seq. ID	OJ991214_05.0214.C29

Gene No.	50631	Strand	-
Start	1	End	489
Name	OJ991214_05.0214.C29.o1.np	Method	AAT/NAP
Start	1	End	489
GI	2352795	Score	459
Exons	1..240, 327..489		
GI Descrip.	(AF007793) retinoblastoma-related protein 1 [Zea mays]		

Seq. No.	24331	Seq. ID	OJ991214_05.0214.C29
Gene No.	50631	Strand	-
Start	1	End	489
Name	OJ991214_05.0214.C29.o1.tw	Method	TBLASTX:Wheat
Start	1	End	252
GI	none	Score	297
Exons	1..252, 1..243		

Seq. No.	24331	Seq. ID	OJ991214_05.0214.C29
Gene No.	50631	Strand	-
Start	1	End	489
Name	OJ991214_05.0214.C29.o1.tm	Method	TBLASTX:Maize
Start	1	End	256
GI	none	Score	202
Exons	1..234, 2..256, 6..239, 10..243, 77..256		

Seq. No.	24331	Seq. ID	OJ991214_05.0214.C29
Gene No.	50631	Strand	-
Start	1	End	489
Name	OJ991214_05.0214.C29.o1.gs	Method	GENSCAN
Start	9	End	404
GI	none	Score	.7
Exons	9..240, 327..404		

Seq. No.	24332	Seq. ID	OJ991214_05.0214.C31
Gene No.	50632	Strand	+
Start	167	End	232
Name	OJ991214_05.0214.C31.o1.gs	Method	GENSCAN
Start	167	End	232
GI	none	Score	.71
Exons	167..232		

Seq. No.	24332	Seq. ID	OJ991214_05.0214.C31
Gene No.	50633	Strand	-
Start	1	End	597
Name	OJ991214_05.0214.C31.o1.np	Method	AAT/NAP
Start	1	End	597
GI	6721516	Score	223
Exons	1..19, 216..504, 573..597		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	24333	Seq. ID	OJ991214_05.0214.C32
Gene No.	50634	Strand	+
Start	438	End	455
Name	OJ991214_05.0214.C32.o1.gs	Method	GENSCAN
Start	438	End	455
GI	none	Score	.5
Exons	438..455		

Seq. No.	24334	Seq. ID	OJ991214_05.0214.C34
Gene No.	50635	Strand	-
Start	523	End	1015
Name	OJ991214_05.0214.C34.o1.gs	Method	GENSCAN
Start	523	End	1015
GI	none	Score	.74
Exons	523..653, 982..1015		

Seq. No.	24335	Seq. ID	OJ991214_05.0214.C36
Gene No.	50636	Strand	-
Start	1	End	532
Name	OJ991214_05.0214.C36.o1.np	Method	AAT/NAP
Start	1	End	532
GI	5902444	Score	499
Exons	1..188, 373..532		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	24335	Seq. ID	OJ991214_05.0214.C36
Gene No.	50636	Strand	-
Start	1	End	532
Name	OJ991214_05.0214.C36.o1.gs	Method	GENSCAN
Start	27	End	428
GI	none	Score	.49
Exons	27..428		

Seq. No.	24336	Seq. ID	OJ991214_05.0214.C37
Gene No.	50637	Strand	-
Start	1004	End	1250
Name	OJ991214_05.0214.C37.o1.gs	Method	GENSCAN
Start	1004	End	1250
GI	none	Score	.45
Exons	1004..1079, 1171..1250		

Seq. No.	24337	Seq. ID	OJ991214_05.0214.C40
Gene No.	50638	Strand	-
Start	408	End	1064
Name	OJ991214_05.0214.C40.o1.np	Method	AAT/NAP
Start	408	End	1064
GI	4996622	Score	345
Exons	408..1064		
GI Descrip.	(AB024338) germin-like protein [Atriplex lentiformis]		

Seq. No.	24337	Seq. ID	OJ991214_05.0214.C40
Gene No.	50638	Strand	-
Start	408	End	1064
Name	OJ991214_05.0214.C40.o1.tc	Method	TBLASTX:Cress
Start	462	End	995
GI	none	Score	82
Exons	462..656, 502..651, 661..942, 672..995		

Seq. No.	24337	Seq. ID	OJ991214_05.0214.C40
Gene No.	50638	Strand	-
Start	408	End	1064
Name	OJ991214_05.0214.C40.o1.ts	Method	TBLASTX:Soybean
Start	462	End	998
GI	none	Score	113
Exons	462..935, 478..804, 969..998		

Seq. No.	24337	Seq. ID	OJ991214_05.0214.C40
Gene No.	50638	Strand	-
Start	408	End	1064
Name	OJ991214_05.0214.C40.o1.tm	Method	TBLASTX:Maize
Start	462	End	908
GI	none	Score	176
Exons	462..908, 541..897		

Seq. No.	24337	Seq. ID	OJ991214_05.0214.C40
Gene No.	50638	Strand	-
Start	408	End	1064
Name	OJ991214_05.0214.C40.o1.tw	Method	TBLASTX:Wheat
Start	462	End	807
GI	none	Score	157
Exons	462..800, 484..807, 640..807		

Seq. No.	24337	Seq. ID	OJ991214_05.0214.C40
Gene No.	50638	Strand	-
Start	408	End	1064
Name	OJ991214_05.0214.C40.o1.gs	Method	GENSCAN
Start	486	End	1064
GI	none	Score	.69
Exons	486..1064		

Seq. No.	24338	Seq. ID	OJ991214_05.0214.C41
Gene No.	50639	Strand	+
Start	567	End	1556
Name	OJ991214_05.0214.C41.o1.gs	Method	GENSCAN
Start	567	End	1556
GI	none	Score	.69
Exons	567..1556		

Seq. No.	24338	Seq. ID	OJ991214_05.0214.C41
Gene No.	50640	Strand	-
Start	2130	End	2268
Name	OJ991214_05.0214.C41.o1.gp	Method	AAT/GAP
Start	2130	End	2268
GI	2797961	Score	250
Exons	2130..2268		

Seq. No.	24339	Seq. ID	OJ991214_05.0214.C42
Gene No.	50641	Strand	-
Start	1	End	648
Name	OJ991214_05.0214.C42.o1.np	Method	AAT/NAP
Start	1	End	648
GI	1617474	Score	124
Exons	1..150, 628..648		
GI Descrip.	(X98923) Rb1 protein [Zea mays]		

Seq. No.	24340	Seq. ID	OJ991214_05.0214.C45
Gene No.	50642	Strand	+
Start	1	End	295
Name	OJ991214_05.0214.C45.o1.np	Method	AAT/NAP
Start	1	End	295
GI	2462927	Score	208
Exons	1..93, 179..295		

GI Descrip. (Y10342) putative amidase [Arabidopsis thaliana]

Seq. No.	24340	Seq. ID	OJ991214_05.0214.C45
Gene No.	50642	Strand	+
Start	1	End	295
Name	OJ991214_05.0214.C45.o1.tm	Method	TBLASTX:Maize
Start	1	End	295
GI	none	Score	58
Exons	1..36, 2..40, 39..110, 40..102, 173..295, 178..294		

Seq. No.	24340	Seq. ID	OJ991214_05.0214.C45
Gene No.	50642	Strand	+
Start	1	End	295
Name	OJ991214_05.0214.C45.o1.tc	Method	TBLASTX:Cress
Start	2	End	295
GI	none	Score	52
Exons	2..40, 34..108, 43..102, 173..295, 178..291		

Seq. No.	24341	Seq. ID	OJ991214_05.0214.C46
Gene No.	50643	Strand	-
Start	30	End	316
Name	OJ991214_05.0214.C46.o1.gs	Method	GENSCAN
Start	30	End	316
GI	none	Score	.52
Exons	30..316		

Seq. No.	24342	Seq. ID	OJ991214_05.0214.C48
Gene No.	50644	Strand	+
Start	143	End	275
Name	OJ991214_05.0214.C48.o1.gs	Method	GENSCAN
Start	143	End	275
GI	none	Score	.73
Exons	143..275		

Seq. No.	24343	Seq. ID	OJ991214_05.0214.C50
Gene No.	50645	Strand	-
Start	925	End	1116
Name	OJ991214_05.0214.C50.o1.gs	Method	GENSCAN
Start	925	End	1116
GI	none	Score	.78
Exons	925..1116		

Seq. No.	24344	Seq. ID	OJ991214_05.0214.C51
Gene No.	50646	Strand	+
Start	377	End	1047
Name	OJ991214_05.0214.C51.o1.gs	Method	GENSCAN
Start	377	End	1008
GI	none	Score	.41
Exons	377..527, 629..1008		

Seq. No.	24344	Seq. ID	OJ991214_05.0214.C51
Gene No.	50646	Strand	+
Start	377	End	1047
Name	OJ991214_05.0214.C51.o1.np	Method	AAT/NAP
Start	377	End	1047
GI	4680183	Score	717
Exons	377..1047		

GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No.	24345	Seq. ID	OJ991214_05.0214.C53
Gene No.	50647	Strand	-
Start	1	End	644
Name	OJ991214_05.0214.C53.o1.np	Method	AAT/NAP
Start	1	End	644
GI	5441880	Score	405
Exons	1..30, 121..219, 464..644		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	24345	Seq. ID	OJ991214_05.0214.C53
Gene No.	50647	Strand	-
Start	1	End	644
Name	OJ991214_05.0214.C53.o1.gs	Method	GENSCAN
Start	189	End	537
GI	none	Score	.69
Exons	189..371, 464..537		

Seq. No.	24345	Seq. ID	OJ991214_05.0214.C53
Gene No.	50647	Strand	-
Start	1	End	644
Name	OJ991214_05.0214.C53.o1.gp	Method	AAT/GAP
Start	472	End	644
GI	LIB3475-007-P1-K1-G8	Score	315
Exons	472..644		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	24346	Seq. ID	OJ991214_05.0214.C54
Gene No.	50648	Strand	-
Start	13	End	425
Name	OJ991214_05.0214.C54.o1.gs	Method	GENSCAN
Start	13	End	425
GI	none	Score	.46
Exons	13..276, 371..425		

Seq. No.	24347	Seq. ID	OJ991214_05.0214.C57
Gene No.	50649	Strand	-
Start	19	End	220
Name	OJ991214_05.0214.C57.o1.gs	Method	GENSCAN
Start	19	End	220
GI	none	Score	.51
Exons	19..124, 188..220		

Seq. No.	24348	Seq. ID	OJ991214_05.0214.C58
Gene No.	50650	Strand	+
Start	279	End	380
Name	OJ991214_05.0214.C58.o1.gs	Method	GENSCAN
Start	279	End	380
GI	none	Score	.57
Exons	279..380		

Seq. No.	24349	Seq. ID	OJ991214_05.0214.C59

Gene No.	50651	Strand	+
Start	176	End	637
Name	OJ991214_05.0214.C59.o1.gs	Method	GENSCAN
Start	176	End	637
GI	none	Score	.72
Exons	176..346, 429..637		

Seq. No.	24350	Seq. ID	OJ990524_10.0204.C1
Gene No.	50652	Strand	+
Start	1	End	144
Name	OJ990524_10.0204.C1.o1.gp	Method	AAT/GAP
Start	1	End	144
GI	none	Score	280
Exons	1..144		

Seq. No.	24351	Seq. ID	OJ990524_10.0204.C3
Gene No.	50653	Strand	+
Start	528	End	606
Name	OJ990524_10.0204.C3.o1.gp	Method	AAT/GAP
Start	528	End	606
GI	1631793	Score	122
Exons	528..606		

Seq. No.	24352	Seq. ID	OJ990524_10.0204.C4
Gene No.	50654	Strand	-
Start	342	End	419
Name	OJ990524_10.0204.C4.o1.gp	Method	AAT/GAP
Start	342	End	419
GI	90742_1.R1084	Score	94
Exons	342..419		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	24352	Seq. ID	OJ990524_10.0204.C4
Gene No.	50655	Strand	-
Start	944	End	2411
Name	OJ990524_10.0204.C4.o1.gs	Method	GENSCAN
Start	944	End	2411
GI	none	Score	.5
Exons	944..1079, 2230..2411		

Seq. No.	24353	Seq. ID	OJ990524_10.0204.C5
Gene No.	50656	Strand	+
Start	4451	End	6547
Name	OJ990524_10.0204.C5.o1.tw	Method	TBLASTX:Wheat
Start	4343	End	5540
GI	none	Score	56
Exons	4343..4372, 4535..4597, 4541..4597, 4555..4599, 4725..4811, 4727..4810, 5447..5539, 5451..5540, 5457..5540		

Seq. No.	24353	Seq. ID	OJ990524_10.0204.C5
Gene No.	50656	Strand	+
Start	4451	End	6547
Name	OJ990524_10.0204.C5.o2.gs	Method	GENSCAN
Start	4451	End	6479
GI	none	Score	.99
Exons	4451..4597, 4728..4810, 5450..5600, 5678..5777, 6391..6479		

Seq. No.	24353	Seq. ID	OJ990524_10.0204.C5
Gene No.	50656	Strand	+
Start	4451	End	6547
Name	OJ990524_10.0204.C5.o1.tc	Method	TBLASTX:Cress
Start	4544	End	5731
GI	none	Score	74
Exons	4544..4597, 4724..4810, 4725..4811, 5429..5608, 5451..5609, 5647..5730, 5678..5731		

Seq. No.	24353	Seq. ID	OJ990524_10.0204.C5
Gene No.	50656	Strand	+
Start	4451	End	6547
Name	OJ990524_10.0204.C5.o1.np	Method	AAT/NAP
Start	4723	End	6547
GI	3702327	Score	337
Exons	4723..4810, 5450..5643, 5682..5830, 6504..6547		
GI Descrip.	(AC005397) unknown protein [Arabidopsis thaliana]		

Seq. No.	24353	Seq. ID	OJ990524_10.0204.C5
Gene No.	50656	Strand	+
Start	4451	End	6547
Name	OJ990524_10.0204.C5.o1.tm	Method	TBLASTX:Maize
Start	4724	End	6456
GI	none	Score	135
Exons	4724..4807, 4725..4811, 5449..5598, 5450..5599, 5451..5600, 5457..5600, 5504..5605, 5675..5773, 5677..5775, 5678..5776, 5688..5819, 5873..5938, 5874..5948, 6015..6107, 6017..6094, 6385..6456		

Seq. No.	24353	Seq. ID	OJ990524_10.0204.C5
Gene No.	50656	Strand	+
Start	4451	End	6547
Name	OJ990524_10.0204.C5.o1.ts	Method	TBLASTX:Soybean
Start	4724	End	5793
GI	none	Score	149
Exons	4724..4810, 4725..4811, 5447..5596, 5451..5609, 5457..5609, 5668..5793, 5678..5779		

Seq. No.	24353	Seq. ID	OJ990524_10.0204.C5
Gene No.	50656	Strand	+
Start	4451	End	6547
Name	OJ990524_10.0204.C5.o1.gp	Method	AAT/GAP
Start	4750	End	6547
GI	30192_1.R1084	Score	1044
Exons	4750..4810, 5450..5600, 5678..5777, 5866..5949, 6027..6099, 6192..6229, 6391..6547		
GI Descrip.	'3702327 5.0e-47 (AC005397) unknown protein [Arabidopsis thaliana]'		

Seq. No.	24354	Seq. ID	OJ990524_10.0204.C6
Gene No.	50657	Strand	+
Start	1	End	298
Name	OJ990524_10.0204.C6.o1.np	Method	AAT/NAP
Start	1	End	298
GI	3702327	Score	161
Exons	1..27, 129..298		

GI Descrip. (AC005397) unknown protein [Arabidopsis thaliana]

Seq. No.	24354	Seq. ID	OJ990524_10.0204.C6
Gene No.	50657	Strand	+
Start	1	End	298
Name	OJ990524_10.0204.C6.o1.tc	Method	TBLASTX:Cress
Start	104	End	284
GI	none	Score	193
Exons	104..283, 126..284		

Seq. No.	24354	Seq. ID	OJ990524_10.0204.C6
Gene No.	50657	Strand	+
Start	1	End	298
Name	OJ990524_10.0204.C6.o1.ts	Method	TBLASTX:Soybean
Start	122	End	284
GI	none	Score	215
Exons	122..271, 126..284, 132..284		

Seq. No.	24354	Seq. ID	OJ990524_10.0204.C6
Gene No.	50657	Strand	+
Start	1	End	298
Name	OJ990524_10.0204.C6.o1.tm	Method	TBLASTX:Maize
Start	124	End	280
GI	none	Score	233
Exons	124..273, 125..274, 126..275, 132..275, 179..280		

Seq. No.	24354	Seq. ID	OJ990524_10.0204.C6
Gene No.	50657	Strand	+
Start	1	End	298
Name	OJ990524_10.0204.C6.o1.gp	Method	AAT/GAP
Start	125	End	298
GI	30192_1.R1084	Score	277
Exons	125..298		
GI Descrip.	'3702327 5.0e-47 (AC005397) unknown protein [Arabidopsis thaliana]'		

Seq. No.	24354	Seq. ID	OJ990524_10.0204.C6
Gene No.	50657	Strand	+
Start	1	End	298
Name	OJ990524_10.0204.C6.o1.gs	Method	GENSCAN
Start	125	End	275
GI	none	Score	.97
Exons	125..275		

Seq. No.	24355	Seq. ID	OJ990524_10.0204.C7
Gene No.	50658	Strand	+
Start	3541	End	8351
Name	OJ990524_10.0204.C7.o2.np	Method	AAT/NAP
Start	3541	End	8351
GI	5734621	Score	130
Exons	3541..3595, 5610..5814, 8312..8351		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	24355	Seq. ID	OJ990524_10.0204.C7
Gene No.	50659	Strand	-

Start	1	End	8887
Name	OJ990524_10.0204.C7.o1.np	Method	AAT/NAP
Start	1	End	2910
GI	4455359	Score	530
Exons	1..164, 242..741, 818..855, 2107..2440, 2708..2910		
GI Descrip.	(AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	24355	Seq. ID	OJ990524_10.0204.C7
Gene No.	50659	Strand	-
Start	1	End	8887
Name	OJ990524_10.0204.C7.o1.gp	Method	AAT/GAP
Start	81	End	848
GI	4714811	Score	1146
Exons	81..164, 242..741, 818..848		
GI Descrip.	4455359/emb|CAB36769.1| 5.0e-29 (AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	24355	Seq. ID	OJ990524_10.0204.C7
Gene No.	50659	Strand	-
Start	1	End	8887
Name	OJ990524_10.0204.C7.o1.gs	Method	GENSCAN
Start	83	End	8887
GI	none	Score	.53
Exons	83..164, 242..741, 1115..1209, 1487..1586, 2006..2041, 2133..2221, 2319..2440, 2708..2967, 4365..4424, 4800..4855, 5223..5275, 5325..5723, 7792..7958, 8835..8887		

Seq. No.	24355	Seq. ID	OJ990524_10.0204.C7
Gene No.	50659	Strand	-
Start	1	End	8887
Name	OJ990524_10.0204.C7.o1.ts	Method	TBLASTX:Soybean
Start	92	End	546
GI	none	Score	46
Exons	92..169, 138..167, 235..360, 250..333, 361..546		

Seq. No.	24355	Seq. ID	OJ990524_10.0204.C7
Gene No.	50659	Strand	-
Start	1	End	8887
Name	OJ990524_10.0204.C7.o1.tm	Method	TBLASTX:Maize
Start	463	End	860
GI	none	Score	134
Exons	463..750, 464..739, 601..744, 813..860, 815..859		

Seq. No.	24356	Seq. ID	OJ990524_10.0204.C8
Gene No.	50660	Strand	-
Start	2275	End	2798
Name	OJ990524_10.0204.C8.o2.gs	Method	GENSCAN
Start	2275	End	2798
GI	none	Score	.59
Exons	2275..2498, 2789..2798		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50661	Strand	+
Start	1	End	23691
Name	OJ990524_10.0204.C9.o1.np	Method	AAT/NAP
Start	1	End	22543
GI	4584539	Score	231

Exons	1..175, 20040..20219, 20457..20699, 22131..22543		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50661	Strand	+
Start	1	End	23691
Name	OJ990524_10.0204.C9.o2.gs	Method	GENSCAN
Start	6120	End	20741
GI	none	Score	.45
Exons	6120..6196, 6664..6799, 6952..7148, 7276..7565, 8521..8550, 10830..10952, 11020..11201, 12428..12582, 12808..12893, 14382..14409, 16377..16579, 17010..17080, 17320..17416, 17975..18073, 18643..20204, 20313..20741		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50661	Strand	+
Start	1	End	23691
Name	OJ990524_10.0204.C9.o2.np	Method	AAT/NAP
Start	19027	End	20728
GI	4455356	Score	1257
Exons	19027..19334, 19365..20003, 20046..20204, 20313..20728		
GI Descrip.	(AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50661	Strand	+
Start	1	End	23691
Name	OJ990524_10.0204.C9.o3.gs	Method	GENSCAN
Start	21769	End	23691
GI	none	Score	.89
Exons	21769..21999, 22061..22583, 23570..23691		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50662	Strand	+
Start	25174	End	26658
Name	OJ990524_10.0204.C9.o4.gs	Method	GENSCAN
Start	25174	End	26658
GI	none	Score	.81
Exons	25174..26658		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50662	Strand	+
Start	25174	End	26658
Name	OJ990524_10.0204.C9.o3.np	Method	AAT/NAP
Start	25192	End	26649
GI	5902366	Score	1047
Exons	25192..26649		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50663	Strand	-
Start	26	End	221
Name	OJ990524_10.0204.C9.o1.gs	Method	GENSCAN
Start	26	End	221
GI	none	Score	.69
Exons	26..221		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9

Gene No.	50664	Strand	-
Start	1530	End	1624
Name	OJ990524_10.0204.C9.o1.gp	Method	AAT/GAP
Start	1530	End	1624
GI	LIB3477-003-P1-K1-E9	Score	84
Exons	1530..1624		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50665	Strand	-
Start	7257	End	7448
Name	OJ990524_10.0204.C9.o2.gp	Method	AAT/GAP
Start	7257	End	7448
GI	none	Score	331
Exons	7257..7448		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50666	Strand	
Start	19257	End	19637
Name	OJ990524_10.0204.C9.o3.tm	Method	TBLASTX:Maize
Start	19257	End	19637
GI	none	Score	61
Exons	19257..19346, 19356..19637, 19472..19636		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50667	Strand	
Start	19557	End	19799
Name	OJ990524_10.0204.C9.o2.ts	Method	TBLASTX:Soybean
Start	19557	End	19799
GI	none	Score	247
Exons	19557..19799, 19565..19786		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50668	Strand	
Start	19742	End	20579
Name	OJ990524_10.0204.C9.o1.tm	Method	TBLASTX:Maize
Start	19742	End	20099
GI	none	Score	461
Exons	19742..20065, 19743..20066, 20046..20099, 20063..20095		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50668	Strand	
Start	19742	End	20579
Name	OJ990524_10.0204.C9.o1.tc	Method	TBLASTX:Cress
Start	19832	End	20204
GI	none	Score	569
Exons	19832..20158, 19833..20204		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50668	Strand	
Start	19742	End	20579
Name	OJ990524_10.0204.C9.o1.ts	Method	TBLASTX:Soybean
Start	19952	End	20204
GI	none	Score	373
Exons	19952..20158, 19953..20204		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50668	Strand	
Start	19742	End	20579
Name	OJ990524_10.0204.C9.o1.tw	Method	TBLASTX:Wheat
Start	19986	End	20453
GI	none	Score	314
Exons	19986..20207, 19988..20158, 20315..20362, 20316..20378, 20363..20446, 20364..20453		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50668	Strand	
Start	19742	End	20579
Name	OJ990524_10.0204.C9.o2.tm	Method	TBLASTX:Maize
Start	20099	End	20579
GI	none	Score	157
Exons	20099..20158, 20100..20204, 20312..20578, 20313..20579		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50669	Strand	
Start	25255	End	25641
Name	OJ990524_10.0204.C9.o2.tc	Method	TBLASTX:Cress
Start	25255	End	25641
GI	none	Score	70
Exons	25255..25329, 25318..25641, 25329..25640		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50670	Strand	
Start	25660	End	26364
Name	OJ990524_10.0204.C9.o3.tc	Method	TBLASTX:Cress
Start	25660	End	26358
GI	none	Score	106
Exons	25660..25854, 25669..25854, 25669..25854, 25669..25857, 25672..25854, 25672..25854, 25672..25854, 25699..25854, 25699..25893, 25861..26064, 25867..26061, 25870..26064, 25882..26064, 25882..26067, 25885..25992, 26113..26277, 26149..26358, 26158..26358, 26158..26358, 26158..26358, 26167..26358, 26176..26358		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50670	Strand	
Start	25660	End	26364
Name	OJ990524_10.0204.C9.o4.tm	Method	TBLASTX:Maize
Start	25666	End	26364
GI	none	Score	128
Exons	25666..25857, 25666..25854, 25699..25854, 25699..25851, 25735..25857, 25872..25934, 25873..26067, 25873..26064, 25882..26067, 26152..26289, 26167..26358, 26167..26364, 26176..26343		

Seq. No.	24357	Seq. ID	OJ990524_10.0204.C9
Gene No.	50670	Strand	
Start	25660	End	26364
Name	OJ990524_10.0204.C9.o3.ts	Method	TBLASTX:Soybean
Start	25669	End	26358
GI	none	Score	115
Exons	25669..25854, 25669..25854, 25669..25854, 25672..25854,		

25672..25854, 25672..25857, 25698..25859, 25699..25893,
25726..25857, 25867..26061, 25870..26064, 25893..26072,
26149..26277, 26167..26358

Seq. No.	24358	Seq. ID	OJ990524_10.0204.C10
Gene No.	50671	Strand	-
Start	557	End	712
Name	OJ990524_10.0204.C10.o1.gs	Method	GENSCAN
Start	557	End	712
GI	none	Score	.53
Exons	557..712		

Seq. No.	24359	Seq. ID	OJ990524_10.0204.C12
Gene No.	50672	Strand	+
Start	7526	End	10559
Name	OJ990524_10.0204.C12.o1.np	Method	AAT/NAP
Start	7526	End	10559
GI	2505884	Score	1306
Exons	7526..9345, 10445..10559		
GI Descrip.	(Y12776) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24359	Seq. ID	OJ990524_10.0204.C12
Gene No.	50672	Strand	+
Start	7526	End	10559
Name	OJ990524_10.0204.C12.o4.gs	Method	GENSCAN
Start	7526	End	10027
GI	none	Score	.95
Exons	7526..9464, 9879..10027		

Seq. No.	24359	Seq. ID	OJ990524_10.0204.C12
Gene No.	50673	Strand	-
Start	1564	End	2701
Name	OJ990524_10.0204.C12.o1.gs	Method	GENSCAN
Start	1564	End	2701
GI	none	Score	.46
Exons	1564..1787, 2458..2701		

Seq. No.	24359	Seq. ID	OJ990524_10.0204.C12
Gene No.	50674	Strand	-
Start	5984	End	6197
Name	OJ990524_10.0204.C12.o2.gs	Method	GENSCAN
Start	5984	End	6197
GI	none	Score	.85
Exons	5984..6054, 6125..6197		

Seq. No.	24359	Seq. ID	OJ990524_10.0204.C12
Gene No.	50675	Strand	-
Start	6671	End	6961
Name	OJ990524_10.0204.C12.o1.tc	Method	TBLASTX:Cress
Start	1466	End	2530
GI	none	Score	49
Exons	1466..1585, 1470..1586, 1585..1776, 1585..1788, 1670..1789, 2456..2530		

Seq. No.	24359	Seq. ID	OJ990524_10.0204.C12
Gene No.	50675	Strand	-
Start	6671	End	6961

Name	OJ990524_10.0204.C12.o1.tm	Method	TBLASTX:Maize
Start	1466	End	2494
GI	none	Score	129
Exons	1466..1585, 1469..1582, 1545..1586, 1585..1788, 1588..1788, 1589..1798, 1596..1790, 1661..1795, 2456..2494		

Seq. No.	24359	Seq. ID	OJ990524_10.0204.C12
Gene No.	50675	Strand	-
Start	6671	End	6961
Name	OJ990524_10.0204.C12.o1.ts	Method	TBLASTX:Soybean
Start	1523	End	2567
GI	none	Score	127
Exons	1523..1585, 1585..1788, 1597..1788, 1661..1789, 2454..2567, 2456..2530		

Seq. No.	24359	Seq. ID	OJ990524_10.0204.C12
Gene No.	50675	Strand	-
Start	6671	End	6961
Name	OJ990524_10.0204.C12.o3.gs	Method	GENSCAN
Start	6671	End	6961
GI	none	Score	1
Exons	6671..6961		

Seq. No.	24359	Seq. ID	OJ990524_10.0204.C12
Gene No.	50676	Strand	
Start	7522	End	7795
Name	OJ990524_10.0204.C12.o2.ts	Method	TBLASTX:Soybean
Start	7522	End	7795
GI	none	Score	204
Exons	7522..7617, 7523..7795		

Seq. No.	24360	Seq. ID	OJ990524_10.0204.C13
Gene No.	50677	Strand	+
Start	1174	End	1437
Name	OJ990524_10.0204.C13.o1.gs	Method	GENSCAN
Start	1174	End	1437
GI	none	Score	.73
Exons	1174..1279, 1314..1437		

Seq. No.	24361	Seq. ID	OJ990524_10.0204.C14
Gene No.	50678	Strand	+
Start	402	End	954
Name	OJ990524_10.0204.C14.o1.gs	Method	GENSCAN
Start	402	End	954
GI	none	Score	.49
Exons	402..472, 714..892, 947..954		

Seq. No.	24362	Seq. ID	OJ990524_10.0204.C15
Gene No.	50679	Strand	-
Start	1	End	305
Name	OJ990524_10.0204.C15.o1.gp	Method	AAT/GAP
Start	1	End	305
GI	uC-osrocyp009h12b1	Score	544
Exons	1..305		
GI Descrip.	'3283996/gb|AAC25423.1| 4.0e-15 (AF072908) calcium-dependent protein kinase [Nicotiana tabacum]'		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50680	Strand	+
Start	2931	End	3468
Name	OJ990524_10.0204.C16.o1.gp	Method	AAT/GAP
Start	2931	End	3468
GI	none	Score	949
Exons	2931..3468		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50681	Strand	+
Start	7269	End	7673
Name	OJ990524_10.0204.C16.o2.gs	Method	GENSCAN
Start	7269	End	7673
GI	none	Score	.8
Exons	7269..7673		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50682	Strand	+
Start	9834	End	12689
Name	OJ990524_10.0204.C16.o3.gs	Method	GENSCAN
Start	9834	End	11752
GI	none	Score	.77
Exons	9834..9839, 9879..10038, 10126..10254, 11202..11752		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50682	Strand	+
Start	9834	End	12689
Name	OJ990524_10.0204.C16.o2.np	Method	AAT/NAP
Start	10976	End	12689
GI	6907086	Score	1465
Exons	10976..11732, 11790..11972, 12222..12491, 12517..12689		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50683	Strand	+
Start	13409	End	15767
Name	OJ990524_10.0204.C16.o3.np	Method	AAT/NAP
Start	13301	End	15342
GI	2129478	Score	120
Exons	13301..13640, 15323..15342		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi|488731|emb|CAA55883| (X79301) chitinase [Beta vulgaris] gi|829258|emb|CAA56946| (X81056) Chitinase [Beta vulgaris]		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50683	Strand	+
Start	13409	End	15767
Name	OJ990524_10.0204.C16.o4.gp	Method	AAT/GAP
Start	13360	End	15276
GI	3548927	Score	1384
Exons	13360..13538, 13638..14026, 15034..15276		
GI Descrip.	231982/sp|P16891|DCUP_SYNP7 2.0e-37 UROPORPHYRINOGEN DECARBOXYLASE (UPD) >gi_1075614_pir__A56609 uroporphyrinogen decarboxylase homolog - Synechococcus sp. (PCC 7942) >gi_48040_emb_CAA77766_ (Z11705) putative uroporphyrinogen decarboxylase [Synechococcus sp.]		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50683	Strand	+
Start	13409	End	15767
Name	OJ990524_10.0204.C16.o4.gs	Method	GENSCAN
Start	13409	End	15058
GI	none	Score	.54
Exons	13409..13538, 13638..13997, 14799..14847, 15034..15058		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50683	Strand	+
Start	13409	End	15767
Name	OJ990524_10.0204.C16.o4.np	Method	AAT/NAP
Start	13622	End	15767
GI	231982	Score	566
Exons	13622..14026, 15034..15421, 15736..15767		
GI Descrip.	UROPORPHYRINOGEN DECARBOXYLASE (UPD) gi|1075614|pir||A56609 uroporphyrinogen decarboxylase homolog - Synechococcus sp. (PCC 7942) gi|48040|emb|CAA77766| (Z11705) putative uroporphyrinogen decarboxylase [Synechococcus sp.]		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50684	Strand	-
Start	290	End	2836
Name	OJ990524_10.0204.C16.o1.np	Method	AAT/NAP
Start	290	End	2318
GI	2129553	Score	1114
Exons	290..446, 532..675, 1591..2318		
GI Descrip.	calcium-dependent protein kinase 6 - Arabidopsis thaliana		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50684	Strand	-
Start	290	End	2836
Name	OJ990524_10.0204.C16.o1.gs	Method	GENSCAN
Start	294	End	2836
GI	none	Score	.72
Exons	294..446, 532..675, 1591..2836		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50685	Strand	-
Start	3868	End	4329
Name	OJ990524_10.0204.C16.o2.gp	Method	AAT/GAP
Start	3868	End	4329
GI	uC-osflcyp162c01b1	Score	892
Exons	3868..4329		
GI Descrip.	'4559381/gb|AAD23041.1|AC006526_6 8.0e-35 (AC006526) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50686	Strand	-
Start	7552	End	7995
Name	OJ990524_10.0204.C16.o1.ts	Method	TBLASTX:Soybean
Start	271	End	2101
GI	none	Score	104
Exons	271..441, 292..453, 293..448, 318..455, 533..676, 534..677, 1575..2099, 1589..2101		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16

Gene No.	50686	Strand	-
Start	7552	End	7995
Name	OJ990524_10.0204.C16.o1.tc	Method	TBLASTX:Cress
Start	292	End	2099
GI	none	Score	117
Exons	292..453, 302..448, 521..676, 522..677, 689..730, 1575..2099, 1589..2098		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50686	Strand	-
Start	7552	End	7995
Name	OJ990524_10.0204.C16.o1.tm	Method	TBLASTX:Maize
Start	292	End	2101
GI	none	Score	223
Exons	292..453, 296..448, 531..665, 533..667, 534..665, 1544..2071, 1575..2099, 1596..1703, 1598..2101		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50686	Strand	-
Start	7552	End	7995
Name	OJ990524_10.0204.C16.o2.tw	Method	TBLASTX:Wheat
Start	295	End	1639
GI	none	Score	76
Exons	295..453, 311..448, 513..677, 533..676, 1587..1637, 1589..1639		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50686	Strand	-
Start	7552	End	7995
Name	OJ990524_10.0204.C16.o1.tw	Method	TBLASTX:Wheat
Start	1640	End	1927
GI	none	Score	225
Exons	1640..1927, 1640..1927		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50686	Strand	-
Start	7552	End	7995
Name	OJ990524_10.0204.C16.o3.gp	Method	AAT/GAP
Start	7552	End	7995
GI	uC-osf1cyp123f01b1	Score	793
Exons	7552..7995		
GI Descrip.	'231982/sp|P16891|DCUP_SYNP7 2.0e-37 UROPORPHYRINOGEN DECARBOXYLASE (UPD) >gi_1075614_pir__A56609 uroporphyrinogen decarboxylase homolog - Synechococcus sp. (PCC 7942) >gi_48040_emb_CAA77766_ (Z11705) putative uroporphyrinogen decarboxylase [Synechococcus sp.]'		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50687	Strand	
Start	13238	End	15327
Name	OJ990524_10.0204.C16.o3.tm	Method	TBLASTX:Maize
Start	13238	End	13825
GI	none	Score	323
Exons	13238..13285, 13291..13320, 13606..13689, 13636..13824, 13637..13825		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50687	Strand	

Start	13238	End	15327
Name	OJ990524_10.0204.C16.o2.ts	Method	TBLASTX:Soybean
Start	13627	End	15321
GI	none	Score	44
Exons	13627..14028, 13640..13672, 13673..14029, 15031..15105, 15034..15108, 15039..15113, 15192..15314, 15193..15321, 15196..15318		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50687	Strand	
Start	13238	End	15327
Name	OJ990524_10.0204.C16.o2.tc	Method	TBLASTX:Cress
Start	13679	End	13948
GI	none	Score	387
Exons	13679..13948, 13684..13947		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50687	Strand	
Start	13238	End	15327
Name	OJ990524_10.0204.C16.o2.tm	Method	TBLASTX:Maize
Start	13864	End	15321
GI	none	Score	240
Exons	13864..14025, 13865..14029, 15031..15318, 15033..15314, 15034..15321		

Seq. No.	24363	Seq. ID	OJ990524_10.0204.C16
Gene No.	50687	Strand	
Start	13238	End	15327
Name	OJ990524_10.0204.C16.o3.tc	Method	TBLASTX:Cress
Start	15081	End	15327
GI	none	Score	172
Exons	15081..15311, 15081..15311, 15082..15327, 15082..15318		

Seq. No.	24364	Seq. ID	OJ990524_10.0204.C17
Gene No.	50688	Strand	+
Start	1	End	641
Name	OJ990524_10.0204.C17.o2.np	Method	AAT/NAP
Start	1	End	641
GI	2501647	Score	211
Exons	1..32, 380..641		
GI Descrip.	UROPORPHYRINOGEN DECARBOXYLASE PRECURSOR (UPD) gi|1362120|pir||S55732 uroporphyrinogen decarboxylase - common tobacco gi|1009429|emb|CAA58040| (X82833) uroporphyrinogen decarboxylase [Nicotiana tabacum]		

Seq. No.	24364	Seq. ID	OJ990524_10.0204.C17
Gene No.	50688	Strand	+
Start	1	End	641
Name	OJ990524_10.0204.C17.o1.gp	Method	AAT/GAP
Start	344	End	641
GI	uC-osroM202005a04b1	Score	495
Exons	344..641		
GI Descrip.	'4455359/emb|CAB36769.1| 5.0e-29 (AL035524) putative protein [Arabidopsis thaliana]'		

Seq. No.	24364	Seq. ID	OJ990524_10.0204.C17
Gene No.	50689	Strand	-

Start	1	End	272
Name	OJ990524_10.0204.C17.o1.np	Method	AAT/NAP
Start	1	End	272
GI	1196998	Score	471
Exons	1..272		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		

Seq. No.	24364	Seq. ID	OJ990524_10.0204.C17
Gene No.	50689	Strand	-
Start	1	End	272
Name	OJ990524_10.0204.C17.o1.gs	Method	GENSCAN
Start	77	End	272
GI	none	Score	.89
Exons	77..272		

Seq. No.	24364	Seq. ID	OJ990524_10.0204.C17
Gene No.	50690	Strand	
Start	232	End	379
Name	OJ990524_10.0204.C17.o2.tc	Method	TBLASTX:Cress
Start	232	End	379
GI	none	Score	224
Exons	232..378, 233..379, 233..379		

Seq. No.	24364	Seq. ID	OJ990524_10.0204.C17
Gene No.	50691	Strand	
Start	378	End	641
Name	OJ990524_10.0204.C17.o1.tm	Method	TBLASTX:Maize
Start	378	End	641
GI	none	Score	450
Exons	378..641, 380..640		

Seq. No.	24364	Seq. ID	OJ990524_10.0204.C17
Gene No.	50691	Strand	
Start	378	End	641
Name	OJ990524_10.0204.C17.o1.ts	Method	TBLASTX:Soybean
Start	378	End	641
GI	none	Score	386
Exons	378..641, 380..640		

Seq. No.	24364	Seq. ID	OJ990524_10.0204.C17
Gene No.	50691	Strand	
Start	378	End	641
Name	OJ990524_10.0204.C17.o1.tc	Method	TBLASTX:Cress
Start	413	End	641
GI	none	Score	327
Exons	413..640, 414..641		

Seq. No.	24365	Seq. ID	OJ990524_10.0204.C19
Gene No.	50692	Strand	+
Start	98	End	167
Name	OJ990524_10.0204.C19.o2.gp	Method	AAT/GAP

Start	98	End	167
GI	none	Score	94
Exons	98..167		

Seq. No.	24365	Seq. ID	OJ990524_10.0204.C19
Gene No.	50693	Strand	-
Start	1	End	157
Name	OJ990524_10.0204.C19.o1.gp	Method	AAT/GAP
Start	1	End	157
GI	jC-osleLIB3474037g11a1	Score	314
Exons	1..157		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	24366	Seq. ID	OJ990524_10.0204.C21
Gene No.	50694	Strand	+
Start	3426	End	5909
Name	OJ990524_10.0204.C21.o2.np	Method	AAT/NAP
Start	3426	End	5909
GI	2191144	Score	360
Exons	3426..3920, 4035..4121, 5248..5335, 5374..5565, 5671..5909		
GI Descrip.	(AF007269) A_IG002N01.24 gene product [Arabidopsis thaliana]		

Seq. No.	24366	Seq. ID	OJ990524_10.0204.C21
Gene No.	50695	Strand	-
Start	2200	End	5723
Name	OJ990524_10.0204.C21.o1.np	Method	AAT/NAP
Start	2200	End	5723
GI	5852172	Score	102
Exons	2200..2358, 5660..5723		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	24366	Seq. ID	OJ990524_10.0204.C21
Gene No.	50695	Strand	-
Start	2200	End	5723
Name	OJ990524_10.0204.C21.o1.tc	Method	TBLASTX:Cress
Start	4832	End	5454
GI	none	Score	50
Exons	4832..4873, 4833..4877, 5001..5156, 5002..5160, 5239..5301, 5259..5306, 5379..5453, 5380..5454		

Seq. No.	24367	Seq. ID	OJ990524_10.0204.C22
Gene No.	50696	Strand	
Start	265	End	439
Name	OJ990524_10.0204.C22.o1.tm	Method	TBLASTX:Maize
Start	265	End	439
GI	none	Score	190
Exons	265..438, 269..439		

Seq. No.	24368	Seq. ID	OJ990524_10.0204.C25
Gene No.	50697	Strand	-
Start	362	End	742
Name	OJ990524_10.0204.C25.o1.gs	Method	GENSCAN
Start	362	End	742
GI	none	Score	.54
Exons	362..518, 586..742		

Seq. No.	24368	Seq. ID	OJ990524_10.0204.C25
Gene No.	50698	Strand	-
Start	999	End	1131
Name	OJ990524_10.0204.C25.o1.gp	Method	AAT/GAP
Start	999	End	1131
GI	LIB3474-009-P1-K1-F11	Score	221
Exons	999..1131		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	24369	Seq. ID	OJ990914_16.0207.C1
Gene No.	50699	Strand	+
Start	1	End	739
Name	OJ990914_16.0207.C1.o1.np	Method	AAT/NAP
Start	1	End	739
GI	2980806	Score	109
Exons	1..31, 514..739		
GI Descrip.	(AL022197) putative protein [Arabidopsis thaliana]		

Seq. No.	24369	Seq. ID	OJ990914_16.0207.C1
Gene No.	50699	Strand	+
Start	1	End	739
Name	OJ990914_16.0207.C1.o1.gp	Method	AAT/GAP
Start	550	End	622
GI	uC-osflcyp120e01b1	Score	121
Exons	550..622		
GI Descrip.	'2980806/emb|CAA18182.1| 1.0e-16 (AL022197) putative protein [Arabidopsis thaliana]'		

Seq. No.	24369	Seq. ID	OJ990914_16.0207.C1
Gene No.	50700	Strand	-
Start	328	End	622
Name	OJ990914_16.0207.C1.o1.tm	Method	TBLASTX:Maize
Start	3	End	622
GI	none	Score	91
Exons	3..56, 508..612, 511..615, 512..622, 512..622		

Seq. No.	24369	Seq. ID	OJ990914_16.0207.C1
Gene No.	50700	Strand	-
Start	328	End	622
Name	OJ990914_16.0207.C1.o1.gs	Method	GENSCAN
Start	328	End	378
GI	none	Score	.79
Exons	328..378		

Seq. No.	24370	Seq. ID	OJ990914_16.0207.C2
Gene No.	50701	Strand	+
Start	3030	End	5306
Name	OJ990914_16.0207.C2.o1.np	Method	AAT/NAP
Start	3030	End	5306
GI	6539237	Score	1753
Exons	3030..5306		
GI Descrip.	(AC011765) putative type II intron maturase [Arabidopsis thaliana]		

Seq. No.	24370	Seq. ID	OJ990914_16.0207.C2
Gene No.	50701	Strand	+

Start	3030	End	5306
Name	OJ990914_16.0207.C2.o1.ts	Method	TBLASTX:Soybean
Start	4755	End	4985
GI	none	Score	193
Exons	4755..4985, 4763..4933, 4767..4985		

Seq. No.	24371	Seq. ID	OJ990914_16.0207.C3
Gene No.	50702	Strand	+
Start	1439	End	1543
Name	OJ990914_16.0207.C3.o1.gs	Method	GENSCAN
Start	1439	End	1543
GI	none	Score	.59
Exons	1439..1543		

Seq. No.	24371	Seq. ID	OJ990914_16.0207.C3
Gene No.	50703	Strand	-
Start	2398	End	2847
Name	OJ990914_16.0207.C3.o2.gs	Method	GENSCAN
Start	2398	End	2847
GI	none	Score	.41
Exons	2398..2694, 2801..2847		

Seq. No.	24372	Seq. ID	OJ990914_16.0207.C4
Gene No.	50704	Strand	+
Start	523	End	1482
Name	OJ990914_16.0207.C4.o1.gp	Method	AAT/GAP
Start	523	End	1482
GI	6062505	Score	1332
Exons	523..605, 701..953, 1100..1482		

Seq. No.	24373	Seq. ID	OJ990914_16.0207.C6
Gene No.	50705	Strand	+
Start	63	End	2854
Name	OJ990914_16.0207.C6.o1.gs	Method	GENSCAN
Start	63	End	2854
GI	none	Score	.46
Exons	63..158, 2097..2195, 2549..2854		

Seq. No.	24373	Seq. ID	OJ990914_16.0207.C6
Gene No.	50706	Strand	-
Start	8836	End	11809
Name	OJ990914_16.0207.C6.o3.gs	Method	GENSCAN
Start	8836	End	11793
GI	none	Score	.84
Exons	8836..11793		

Seq. No.	24373	Seq. ID	OJ990914_16.0207.C6
Gene No.	50706	Strand	-
Start	8836	End	11809
Name	OJ990914_16.0207.C6.o2.np	Method	AAT/NAP
Start	9831	End	11809
GI	1208496	Score	132
Exons	9831..9905, 11233..11439, 11744..11809		
GI Descrip.	(D38124) EREBP-3 [Nicotiana tabacum]		

Seq. No.	24374	Seq. ID	OJ990914_16.0207.C7
Gene No.	50707	Strand	+

Start	305	End	978
Name	OJ990914_16.0207.C7.o1.np	Method	AAT/NAP
Start	305	End	978
GI	6006359	Score	52
Exons	305..402, 952..978		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	24375	Seq. ID	OJ990914_16.0207.C8
Gene No.	50708	Strand	+
Start	1938	End	2043
Name	OJ990914_16.0207.C8.o2.gp	Method	AAT/GAP
Start	1938	End	2043
GI	5816518	Score	162
Exons	1938..2043		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	24375	Seq. ID	OJ990914_16.0207.C8
Gene No.	50709	Strand	-
Start	192	End	5294
Name	OJ990914_16.0207.C8.o1.np	Method	AAT/NAP
Start	192	End	5294
GI	5091513	Score	786
Exons	192..246, 3455..3666, 4621..5294		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	24375	Seq. ID	OJ990914_16.0207.C8
Gene No.	50709	Strand	-
Start	192	End	5294
Name	OJ990914_16.0207.C8.o1.gp	Method	AAT/GAP
Start	1681	End	1929
GI	3761181	Score	413
Exons	1681..1929		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	24375	Seq. ID	OJ990914_16.0207.C8
Gene No.	50709	Strand	-
Start	192	End	5294
Name	OJ990914_16.0207.C8.o2.gs	Method	GENSCAN
Start	4141	End	5269
GI	none	Score	.88
Exons	4141..4568, 4732..5269		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50710	Strand	+
Start	5307	End	7344
Name	OJ990914_16.0207.C9.o2.gs	Method	GENSCAN
Start	5307	End	7344
GI	none	Score	.72
Exons	5307..5464, 5479..5726, 6332..6732, 6811..7344		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50711	Strand	+
Start	10475	End	10646
Name	OJ990914_16.0207.C9.o3.gp	Method	AAT/GAP
Start	10475	End	10646

GI	LIB3433-026-P1-K1-C1	Score	251
Exons	10475..10646		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50712	Strand	+
Start	13591	End	15317
Name	OJ990914_16.0207.C9.o4.np	Method	AAT/NAP
Start	13591	End	15317
GI	6907086	Score	867
Exons	13591..14371, 14433..14634, 14855..15317		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50713	Strand	+
Start	16910	End	19873
Name	OJ990914_16.0207.C9.o4.gs	Method	GENSCAN
Start	16910	End	19843
GI	none	Score	.74
Exons	16910..17100, 17980..18106, 18188..18304, 18380..18520, 18596..18706, 18802..18945, 19030..19070, 19383..19462, 19610..19660, 19759..19843		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50713	Strand	+
Start	16910	End	19873
Name	OJ990914_16.0207.C9.o6.np	Method	AAT/NAP
Start	18056	End	19873
GI	2384863	Score	231
Exons	18056..18304, 18380..18520, 18596..18815, 18994..19116, 19503..19660, 19759..19873		
GI Descrip.	(AF022976) Contains similarity to Pfam domain: PF00561 (abhydrolase), Score=10.6, E-value=0.0093, N=1 [Caenorhabditis elegans]		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50714	Strand	-
Start	1	End	2379
Name	OJ990914_16.0207.C9.o1.np	Method	AAT/NAP
Start	1	End	1749
GI	5091513	Score	1149
Exons	1..464, 1120..1749		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50714	Strand	-
Start	1	End	2379
Name	OJ990914_16.0207.C9.o1.gs	Method	GENSCAN
Start	69	End	2233
GI	none	Score	.59
Exons	69..409, 1108..1742, 2040..2100, 2169..2233		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50714	Strand	-
Start	1	End	2379
Name	OJ990914_16.0207.C9.o1.gp	Method	AAT/GAP

Start	2131	End	2379
GI	3761181	Score	410
Exons	2131..2379		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50715	Strand	-
Start	2387	End	2496
Name	OJ990914_16.0207.C9.o2.gp	Method	AAT/GAP
Start	2387	End	2496
GI	5816518	Score	157
Exons	2387..2496		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50716	Strand	-
Start	8371	End	16620
Name	OJ990914_16.0207.C9.o2.tm	Method	TBLASTX:Maize
Start	6436	End	7389
GI	none	Score	305
Exons	6436..6735, 6451..6732, 6558..6755, 6808..7005, 6808..6963, 6951..6983, 7060..7203, 7119..7202, 7312..7389		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50716	Strand	-
Start	8371	End	16620
Name	OJ990914_16.0207.C9.o3.gs	Method	GENSCAN
Start	8371	End	16382
GI	none	Score	.47
Exons	8371..8444, 8909..9050, 10456..10535, 10721..10929, 11200..11552, 13355..13470, 13911..14302, 14304..14373, 15440..15931, 16091..16382		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50716	Strand	-
Start	8371	End	16620
Name	OJ990914_16.0207.C9.o3.np	Method	AAT/NAP
Start	10771	End	11413
GI	6002794	Score	927
Exons	10771..11413		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50716	Strand	-
Start	8371	End	16620
Name	OJ990914_16.0207.C9.o5.np	Method	AAT/NAP
Start	14060	End	16298
GI	2213632	Score	880
Exons	14060..14126, 15561..16298		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50716	Strand	-
Start	8371	End	16620
Name	OJ990914_16.0207.C9.o1.tm	Method	TBLASTX:Maize

Start	15579	End	16052
GI	none	Score	54
Exons	15579..15650, 15579..15644, 15645..15986, 15651..15686, 15683..15985, 15684..16052, 15685..16002		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50716	Strand	-
Start	8371	End	16620
Name	OJ990914_16.0207.C9.o1.tw	Method	TBLASTX:Wheat
Start	15591	End	16013
GI	none	Score	178
Exons	15591..15818, 15595..15816, 15596..15817, 15828..16013, 15835..16011		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50716	Strand	-
Start	8371	End	16620
Name	OJ990914_16.0207.C9.o3.tm	Method	TBLASTX:Maize
Start	16074	End	16620
GI	none	Score	186
Exons	16074..16418, 16081..16419, 16501..16620		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50716	Strand	-
Start	8371	End	16620
Name	OJ990914_16.0207.C9.o2.tw	Method	TBLASTX:Wheat
Start	16134	End	16596
GI	none	Score	141
Exons	16134..16418, 16135..16398, 16501..16596		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50717	Strand	
Start	18056	End	18948
Name	OJ990914_16.0207.C9.o1.ts	Method	TBLASTX:Soybean
Start	18056	End	18706
GI	none	Score	44
Exons	18056..18109, 18178..18306, 18179..18301, 18380..18505, 18380..18499, 18587..18706		

Seq. No.	24376	Seq. ID	OJ990914_16.0207.C9
Gene No.	50717	Strand	
Start	18056	End	18948
Name	OJ990914_16.0207.C9.o4.tm	Method	TBLASTX:Maize
Start	18083	End	18948
GI	none	Score	40
Exons	18083..18118, 18188..18238, 18272..18298, 18371..18478, 18377..18517, 18382..18495, 18593..18700, 18599..18703, 18802..18948		

Seq. No.	24377	Seq. ID	OJ990914_16.0207.C10
Gene No.	50718	Strand	-
Start	1	End	235
Name	OJ990914_16.0207.C10.o1.gp	Method	AAT/GAP
Start	1	End	235
GI	uC-osflcyp134c03a1	Score	450
Exons	1..235		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA,		

similar sequence to Pib gene'

Seq. No.	24378	Seq. ID	OJ990914_16.0207.C11
Gene No.	50719	Strand	+
Start	1	End	2042
Name	OJ990914_16.0207.C11.o1.np	Method	AAT/NAP
Start	1	End	2042
GI	2832677	Score	692
Exons	1..680, 1023..1326, 1906..2042		
GI Descrip.	(AL021712) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24378	Seq. ID	OJ990914_16.0207.C11
Gene No.	50719	Strand	+
Start	1	End	2042
Name	OJ990914_16.0207.C11.o1.gs	Method	GENSCAN
Start	50	End	2042
GI	none	Score	.93
Exons	50..680, 1023..1326, 1906..2042		

Seq. No.	24378	Seq. ID	OJ990914_16.0207.C11
Gene No.	50719	Strand	+
Start	1	End	2042
Name	OJ990914_16.0207.C11.o1.gp	Method	AAT/GAP
Start	647	End	1987
GI	uC-osrocyp007h10b1	Score	787
Exons	647..680, 1023..1326, 1906..1987		
GI Descrip.	'2832677/emb|CAA16777.1| 4.0e-21 (AL021712) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	24378	Seq. ID	OJ990914_16.0207.C11
Gene No.	50720	Strand	+
Start	8110	End	9544
Name	OJ990914_16.0207.C11.o3.gp	Method	AAT/GAP
Start	8026	End	8313
GI	none	Score	543
Exons	8026..8313		

Seq. No.	24378	Seq. ID	OJ990914_16.0207.C11
Gene No.	50720	Strand	+
Start	8110	End	9544
Name	OJ990914_16.0207.C11.o5.gs	Method	GENSCAN
Start	8110	End	9544
GI	none	Score	.71
Exons	8110..8696, 9435..9544		

Seq. No.	24378	Seq. ID	OJ990914_16.0207.C11
Gene No.	50720	Strand	+
Start	8110	End	9544
Name	OJ990914_16.0207.C11.o3.np	Method	AAT/NAP
Start	8137	End	8696
GI	2244898	Score	117
Exons	8137..8515, 8581..8696		
GI Descrip.	(Z97338) phosphatase like protein [Arabidopsis thaliana]		

Seq. No.	24378	Seq. ID	OJ990914_16.0207.C11
Gene No.	50721	Strand	-
Start	2013	End	2501

Name	OJ990914_16.0207.C11.o2.gp	Method	AAT/GAP
Start	2013	End	2501
GI	none	Score	930
Exons	2013..2501		

Seq. No.	24378	Seq. ID	OJ990914_16.0207.C11
Gene No.	50722	Strand	-
Start	2942	End	3157
Name	OJ990914_16.0207.C11.o2.gs	Method	GENSCAN
Start	2942	End	3157
GI	none	Score	.86
Exons	2942..3157		

Seq. No.	24378	Seq. ID	OJ990914_16.0207.C11
Gene No.	50723	Strand	-
Start	6895	End	9807
Name	OJ990914_16.0207.C11.o1.tm	Method	TBLASTX:Maize
Start	33	End	1960
GI	none	Score	532
Exons	33..467, 35..124, 245..433, 345..512, 522..683, 551..682, 993..1157, 1010..1141, 1016..1159, 1023..1160, 1154..1360, 1264..1320, 1266..1334, 1901..1960, 1905..1958, 1915..1959		

Seq. No.	24378	Seq. ID	OJ990914_16.0207.C11
Gene No.	50723	Strand	-
Start	6895	End	9807
Name	OJ990914_16.0207.C11.o1.ts	Method	TBLASTX:Soybean
Start	249	End	461
GI	none	Score	236
Exons	249..461		

Seq. No.	24378	Seq. ID	OJ990914_16.0207.C11
Gene No.	50723	Strand	-
Start	6895	End	9807
Name	OJ990914_16.0207.C11.o2.np	Method	AAT/NAP
Start	6889	End	9807
GI	3695412	Score	252
Exons	6889..7172, 7268..7382, 7432..7564, 9742..9807		
GI Descrip.	(AF096373) contains similarity to group 1 glycosyl transferases (Pfam: PF00534, E=2.1e-11) [Arabidopsis thaliana]		

Seq. No.	24378	Seq. ID	OJ990914_16.0207.C11
Gene No.	50723	Strand	-
Start	6895	End	9807
Name	OJ990914_16.0207.C11.o4.gs	Method	GENSCAN
Start	6895	End	7401
GI	none	Score	.86
Exons	6895..7162, 7268..7401		

Seq. No.	24378	Seq. ID	OJ990914_16.0207.C11
Gene No.	50723	Strand	-
Start	6895	End	9807
Name	OJ990914_16.0207.C11.o2.tm	Method	TBLASTX:Maize
Start	6934	End	7484
GI	none	Score	217
Exons	6934..7170, 6935..7165, 6940..7212, 7267..7323, 7285..7389, 7288..7377, 7430..7483, 7440..7484		

Seq. No.	24378	Seq. ID	OJ990914_16.0207.C11
Gene No.	50723	Strand	-
Start	6895	End	9807
Name	OJ990914_16.0207.C11.o1.tw	Method	TBLASTX:Wheat
Start	6949	End	7173
GI	none	Score	82
Exons	6949..7170, 7028..7165, 7033..7059, 7051..7173		

Seq. No.	24378	Seq. ID	OJ990914_16.0207.C11
Gene No.	50723	Strand	-
Start	6895	End	9807
Name	OJ990914_16.0207.C11.o2.ts	Method	TBLASTX:Soybean
Start	6952	End	7170
GI	none	Score	150
Exons	6952..7170, 6956..7165		

Seq. No.	24379	Seq. ID	OJ990914_16.0207.C12
Gene No.	50724	Strand	+
Start	279	End	2631
Name	OJ990914_16.0207.C12.o1.gs	Method	GENSCAN
Start	279	End	2631
GI	none	Score	.77
Exons	279..561, 1338..1433, 1522..1890, 2236..2260, 2414..2631		

Seq. No.	24379	Seq. ID	OJ990914_16.0207.C12
Gene No.	50724	Strand	+
Start	279	End	2631
Name	OJ990914_16.0207.C12.o1.np	Method	AAT/NAP
Start	307	End	1908
GI	5804817	Score	546
Exons	307..561, 1338..1433, 1522..1908		
GI Descrip.	(AL021712) putative protein [Arabidopsis thaliana]		

Seq. No.	24379	Seq. ID	OJ990914_16.0207.C12
Gene No.	50725	Strand	+
Start	6676	End	8642
Name	OJ990914_16.0207.C12.o3.gs	Method	GENSCAN
Start	6676	End	6998
GI	none	Score	.76
Exons	6676..6754, 6862..6998		

Seq. No.	24379	Seq. ID	OJ990914_16.0207.C12
Gene No.	50725	Strand	+
Start	6676	End	8642
Name	OJ990914_16.0207.C12.o2.np	Method	AAT/NAP
Start	6849	End	8642
GI	3360289	Score	287
Exons	6849..6994, 7773..7844, 7923..7980, 8054..8136, 8232..8303, 8402..8473, 8560..8642		
GI Descrip.	(AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays]		

Seq. No.	24379	Seq. ID	OJ990914_16.0207.C12
Gene No.	50726	Strand	-
Start	1179	End	1662
Name	OJ990914_16.0207.C12.o1.gp	Method	AAT/GAP

Start	1179	End	1662
GI	none	Score	895
Exons	1179..1662		

Seq. No.	24379	Seq. ID	OJ990914_16.0207.C12
Gene No.	50727	Strand	-
Start	1715	End	2155
Name	OJ990914_16.0207.C12.o1.tw	Method	TBLASTX:Wheat
Start	269	End	502
GI	none	Score	124
Exons	269..325, 276..365, 277..366, 387..500, 388..501, 389..502, 389..502		

Seq. No.	24379	Seq. ID	OJ990914_16.0207.C12
Gene No.	50727	Strand	-
Start	1715	End	2155
Name	OJ990914_16.0207.C12.o1.tm	Method	TBLASTX:Maize
Start	285	End	2155
GI	none	Score	134
Exons	285..413, 292..411, 378..560, 379..561, 397..561, 1330..1416, 1335..1427, 1335..1424, 1521..1589, 1522..1590, 1659..1799, 1660..1797, 1796..1912, 1796..1915, 1797..1913, 1801..1914, 1801..1917, 2053..2109, 2054..2155		

Seq. No.	24379	Seq. ID	OJ990914_16.0207.C12
Gene No.	50727	Strand	-
Start	1715	End	2155
Name	OJ990914_16.0207.C12.o1.tc	Method	TBLASTX:Cress
Start	307	End	1902
GI	none	Score	107
Exons	307..432, 321..428, 439..561, 456..557, 1326..1433, 1337..1438, 1660..1821, 1671..1799, 1824..1892, 1825..1902		

Seq. No.	24379	Seq. ID	OJ990914_16.0207.C12
Gene No.	50727	Strand	-
Start	1715	End	2155
Name	OJ990914_16.0207.C12.o1.ts	Method	TBLASTX:Soybean
Start	385	End	1902
GI	none	Score	221
Exons	385..561, 387..557, 394..561, 1326..1424, 1337..1390, 1663..1821, 1668..1796, 1824..1898, 1825..1902		

Seq. No.	24379	Seq. ID	OJ990914_16.0207.C12
Gene No.	50727	Strand	-
Start	1715	End	2155
Name	OJ990914_16.0207.C12.o2.gp	Method	AAT/GAP
Start	1715	End	2144
GI	84339_1.R1084	Score	803
Exons	1715..2144		
GI Descrip.	'5804817/emb|CAB52871.1| 1.0e-10 (AL021712) putative protein [Arabidopsis thaliana]'		

Seq. No.	24379	Seq. ID	OJ990914_16.0207.C12
Gene No.	50728	Strand	
Start	7922	End	8461
Name	OJ990914_16.0207.C12.o2.tm	Method	TBLASTX:Maize
Start	7922	End	8461

GI	none	Score	95
Exons	7922..7990, 7924..7989, 7924..7992, 8065..8127, 8066..8137, 8066..8140, 8232..8303, 8233..8301, 8402..8461, 8403..8459		

Seq. No.	24380	Seq. ID	OJ990914_16.0207.C13
Gene No.	50729	Strand	+
Start	115	End	2751
Name	OJ990914_16.0207.C13.o1.tm	Method	TBLASTX:Maize
Start	82	End	1836
GI	none	Score	59
Exons	82..135, 96..131, 150..299, 159..299, 178..300, 440..721, 441..650, 442..717, 811..960, 812..952, 1028..1189, 1032..1187, 1048..1188, 1049..1189, 1294..1443, 1295..1450, 1296..1454, 1302..1454, 1673..1810, 1688..1825, 1689..1823, 1690..1836		

Seq. No.	24380	Seq. ID	OJ990914_16.0207.C13
Gene No.	50729	Strand	+
Start	115	End	2751
Name	OJ990914_16.0207.C13.o1.gs	Method	GENSCAN
Start	115	End	2751
GI	none	Score	.67
Exons	115..297, 339..442, 850..946, 1050..1189, 1298..1454, 1690..1764, 2707..2751		

Seq. No.	24380	Seq. ID	OJ990914_16.0207.C13
Gene No.	50729	Strand	+
Start	115	End	2751
Name	OJ990914_16.0207.C13.o1.np	Method	AAT/NAP
Start	139	End	1839
GI	2961358	Score	1185
Exons	139..297, 443..714, 811..946, 1050..1189, 1298..1454, 1690..1839		
GI Descrip.	(AL022140) serine/threonine protein kinase like protein [Arabidopsis thaliana]		

Seq. No.	24380	Seq. ID	OJ990914_16.0207.C13
Gene No.	50729	Strand	+
Start	115	End	2751
Name	OJ990914_16.0207.C13.o1.tc	Method	TBLASTX:Cress
Start	190	End	918
GI	none	Score	128
Exons	190..300, 370..465, 440..721, 493..717, 811..918, 812..916		

Seq. No.	24380	Seq. ID	OJ990914_16.0207.C13
Gene No.	50729	Strand	+
Start	115	End	2751
Name	OJ990914_16.0207.C13.o1.ts	Method	TBLASTX:Soybean
Start	253	End	1821
GI	none	Score	85
Exons	253..300, 440..721, 442..717, 805..948, 808..948, 812..952, 1028..1207, 1032..1187, 1295..1450, 1296..1454, 1310..1465, 1323..1460, 1689..1820, 1690..1821		

Seq. No.	24380	Seq. ID	OJ990914_16.0207.C13
Gene No.	50729	Strand	+
Start	115	End	2751
Name	OJ990914_16.0207.C13.o1.tw	Method	TBLASTX:Wheat
Start	662	End	1190

GI	none	Score	67
Exons	662..721, 839..943, 1043..1189, 1050..1190		

Seq. No.	24380	Seq. ID	OJ990914_16.0207.C13
Gene No.	50729	Strand	+
Start	115	End	2751
Name	OJ990914_16.0207.C13.o2.tc	Method	TBLASTX:Cress
Start	1028	End	1373
GI	none	Score	218
Exons	1028..1198, 1032..1214, 1295..1372, 1296..1373		

Seq. No.	24381	Seq. ID	OJ990914_16.0207.C14
Gene No.	50730	Strand	+
Start	5572	End	6973
Name	OJ990914_16.0207.C14.o1.np	Method	AAT/NAP
Start	5572	End	6973
GI	4586248	Score	228
Exons	5572..5715, 6373..6438, 6751..6973		
GI Descrip.	(AL049640) growth factor like protein [Arabidopsis thaliana]		

Seq. No.	24381	Seq. ID	OJ990914_16.0207.C14
Gene No.	50731	Strand	-
Start	6729	End	6912
Name	OJ990914_16.0207.C14.o1.tm	Method	TBLASTX:Maize
Start	5492	End	5725
GI	none	Score	208
Exons	5492..5716, 5494..5718, 5529..5720, 5594..5725		

Seq. No.	24381	Seq. ID	OJ990914_16.0207.C14
Gene No.	50731	Strand	-
Start	6729	End	6912
Name	OJ990914_16.0207.C14.o1.ts	Method	TBLASTX:Soybean
Start	5530	End	6891
GI	none	Score	81
Exons	5530..5709, 6367..6438, 6741..6890, 6751..6891		

Seq. No.	24381	Seq. ID	OJ990914_16.0207.C14
Gene No.	50731	Strand	-
Start	6729	End	6912
Name	OJ990914_16.0207.C14.o1.gp	Method	AAT/GAP
Start	6729	End	6891
GI	LIB3479-002-Q6-K2-F7	Score	242
Exons	6729..6891		
GI Descrip.	'4587607/gb|AAD25835.1|AC006951_14 1.0e-31 (AC006951) putative antisense basic fibroblast growth factor [Arabidopsis thaliana]'		

Seq. No.	24381	Seq. ID	OJ990914_16.0207.C14
Gene No.	50731	Strand	-
Start	6729	End	6912
Name	OJ990914_16.0207.C14.o2.tm	Method	TBLASTX:Maize
Start	6777	End	6912
GI	none	Score	136
Exons	6777..6890, 6777..6890, 6778..6912		

Seq. No.	24382	Seq. ID	OJ990914_16.0207.C15
Gene No.	50732	Strand	-
Start	258	End	616

Name	OJ990914_16.0207.C15.o1.gs	Method	GENSCAN
Start	258	End	616
GI	none	Score	.67
Exons	258..382, 448..616		

Seq. No.	24383	Seq. ID	OJ990914_16.0207.C16
Gene No.	50733	Strand	+
Start	1179	End	1280
Name	OJ990914_16.0207.C16.o1.gs	Method	GENSCAN
Start	1179	End	1280
GI	none	Score	.61
Exons	1179..1280		

Seq. No.	24383	Seq. ID	OJ990914_16.0207.C16
Gene No.	50734	Strand	-
Start	1204	End	2629
Name	OJ990914_16.0207.C16.o1.np	Method	AAT/NAP
Start	1204	End	2629
GI	5852084	Score	107
Exons	1204..1287, 2597..2629		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	24384	Seq. ID	OJ990914_16.0207.C17
Gene No.	50735	Strand	+
Start	428	End	2723
Name	OJ990914_16.0207.C17.o1.gs	Method	GENSCAN
Start	428	End	2649
GI	none	Score	.58
Exons	428..756, 2613..2649		

Seq. No.	24384	Seq. ID	OJ990914_16.0207.C17
Gene No.	50735	Strand	+
Start	428	End	2723
Name	OJ990914_16.0207.C17.o1.np	Method	AAT/NAP
Start	428	End	2723
GI	6016726	Score	290
Exons	428..496, 524..756, 2613..2723		
GI Descrip.	(AC009325) unknown protein [Arabidopsis thaliana] gi|6091713|gb|AAF03425.1|AC010797_1 (AC010797) unknown protein [Arabidopsis thaliana]		

Seq. No.	24384	Seq. ID	OJ990914_16.0207.C17
Gene No.	50735	Strand	+
Start	428	End	2723
Name	OJ990914_16.0207.C17.o1.tc	Method	TBLASTX:Cress
Start	557	End	763
GI	none	Score	240
Exons	557..760, 574..759, 701..763		

Seq. No.	24384	Seq. ID	OJ990914_16.0207.C17
Gene No.	50735	Strand	+
Start	428	End	2723
Name	OJ990914_16.0207.C17.o1.ts	Method	TBLASTX:Soybean
Start	557	End	763
GI	none	Score	238
Exons	557..760, 583..759, 701..763		

Seq. No.	24384	Seq. ID	OJ990914_16.0207.C17
Gene No.	50735	Strand	+
Start	428	End	2723
Name	OJ990914_16.0207.C17.o1.tm	Method	TBLASTX:Maize
Start	557	End	727
GI	none	Score	238
Exons	557..727, 571..726		

Seq. No.	24385	Seq. ID	OJ990914_16.0207.C18
Gene No.	50736	Strand	+
Start	1	End	555
Name	OJ990914_16.0207.C18.o1.np	Method	AAT/NAP
Start	1	End	555
GI	6016726	Score	319
Exons	1..555		
GI Descrip.	(AC009325) unknown protein [Arabidopsis thaliana] gi|6091713|gb|AAF03425.1|AC010797_1 (AC010797) unknown protein [Arabidopsis thaliana]		

Seq. No.	24385	Seq. ID	OJ990914_16.0207.C18
Gene No.	50736	Strand	+
Start	1	End	555
Name	OJ990914_16.0207.C18.o1.tc	Method	TBLASTX:Cress
Start	95	End	534
GI	none	Score	95
Exons	95..160, 100..159, 155..271, 166..270, 349..534, 349..534, 376..519, 397..492		

Seq. No.	24385	Seq. ID	OJ990914_16.0207.C18
Gene No.	50736	Strand	+
Start	1	End	555
Name	OJ990914_16.0207.C18.o1.ts	Method	TBLASTX:Soybean
Start	95	End	534
GI	none	Score	252
Exons	95..271, 100..270, 358..513, 427..534, 430..534		

Seq. No.	24385	Seq. ID	OJ990914_16.0207.C18
Gene No.	50736	Strand	+
Start	1	End	555
Name	OJ990914_16.0207.C18.o1.gs	Method	GENSCAN
Start	101	End	367
GI	none	Score	.79
Exons	101..367		

Seq. No.	24385	Seq. ID	OJ990914_16.0207.C18
Gene No.	50736	Strand	+
Start	1	End	555
Name	OJ990914_16.0207.C18.o1.tm	Method	TBLASTX:Maize
Start	104	End	450
GI	none	Score	138
Exons	104..271, 105..272, 106..273, 107..274, 250..357, 340..444, 350..418, 397..450		

Seq. No.	24386	Seq. ID	OJ990914_16.0207.C19
Gene No.	50737	Strand	+
Start	275	End	889
Name	OJ990914_16.0207.C19.o1.np	Method	AAT/NAP

Start	275	End	765
GI	5042454	Score	256
Exons	275..485, 712..765		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	24386	Seq. ID	OJ990914_16.0207.C19
Gene No.	50737	Strand	+
Start	275	End	889
Name	OJ990914_16.0207.C19.o1.gs	Method	GENSCAN
Start	339	End	889
GI	none	Score	.45
Exons	339..489, 798..889		

Seq. No.	24387	Seq. ID	OJ990914_16.0207.C20
Gene No.	50738	Strand	-
Start	1	End	813
Name	OJ990914_16.0207.C20.o1.np	Method	AAT/NAP
Start	1	End	813
GI	5091513	Score	1048
Exons	1..813		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	24388	Seq. ID	OJ990914_16.0207.C23
Gene No.	50739	Strand	-
Start	1	End	549
Name	OJ990914_16.0207.C23.o1.np	Method	AAT/NAP
Start	1	End	549
GI	5091513	Score	720
Exons	1..549		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	24388	Seq. ID	OJ990914_16.0207.C23
Gene No.	50739	Strand	-
Start	1	End	549
Name	OJ990914_16.0207.C23.o1.gs	Method	GENSCAN
Start	14	End	445
GI	none	Score	.65
Exons	14..445		

Seq. No.	24389	Seq. ID	OJ990924_17.0211.C2
Gene No.	50740	Strand	+
Start	184	End	273
Name	OJ990924_17.0211.C2.o1.gs	Method	GENSCAN
Start	184	End	273
GI	none	Score	.75
Exons	184..273		

Seq. No.	24389	Seq. ID	OJ990924_17.0211.C2
Gene No.	50741	Strand	-
Start	501	End	574
Name	OJ990924_17.0211.C2.o1.gp	Method	AAT/GAP
Start	501	End	574
GI	15361_2.R1084	Score	78
Exons	501..574		
GI Descrip.	'4510346/gb|AAD21435.1| 5.0e-12 (AC006921) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	24390	Seq. ID	OJ990924_17.0211.C3
Gene No.	50742	Strand	-
Start	758	End	881
Name	OJ990924_17.0211.C3.o1.gs	Method	GENSCAN
Start	758	End	881
GI	none	Score	.43
Exons	758..881		

Seq. No.	24391	Seq. ID	OJ990924_17.0211.C4
Gene No.	50743	Strand	+
Start	1834	End	4564
Name	OJ990924_17.0211.C4.o1.gs	Method	GENSCAN
Start	1834	End	2772
GI	none	Score	.81
Exons	1834..2772		

Seq. No.	24391	Seq. ID	OJ990924_17.0211.C4
Gene No.	50743	Strand	+
Start	1834	End	4564
Name	OJ990924_17.0211.C4.o1.tm	Method	TBLASTX:Maize
Start	1966	End	2724
GI	none	Score	185
Exons	1966..2115, 1980..2501, 1999..2478, 2499..2723, 2500..2724		

Seq. No.	24391	Seq. ID	OJ990924_17.0211.C4
Gene No.	50743	Strand	+
Start	1834	End	4564
Name	OJ990924_17.0211.C4.o1.tw	Method	TBLASTX:Wheat
Start	1966	End	2439
GI	none	Score	429
Exons	1966..2439, 1971..2438		

Seq. No.	24391	Seq. ID	OJ990924_17.0211.C4
Gene No.	50743	Strand	+
Start	1834	End	4564
Name	OJ990924_17.0211.C4.o1.ts	Method	TBLASTX:Soybean
Start	1966	End	4170
GI	none	Score	483
Exons	1966..2487, 1980..2486, 2493..2729, 2494..2724, 4011..4157, 4018..4170		

Seq. No.	24391	Seq. ID	OJ990924_17.0211.C4
Gene No.	50743	Strand	+
Start	1834	End	4564
Name	OJ990924_17.0211.C4.o1.np	Method	AAT/NAP
Start	2072	End	4564
GI	5420389	Score	244
Exons	2072..2387, 4104..4564		
GI Descrip.	(AJ243460) protepphosphoglycan [Leishmania major]		

Seq. No.	24391	Seq. ID	OJ990924_17.0211.C4
Gene No.	50743	Strand	+
Start	1834	End	4564
Name	OJ990924_17.0211.C4.o1.tc	Method	TBLASTX:Cress
Start	2404	End	2655
GI	none	Score	69
Exons	2404..2478, 2500..2655, 2514..2651		

Seq. No.	24391	Seq. ID	OJ990924_17.0211.C4
Gene No.	50743	Strand	+
Start	1834	End	4564
Name	OJ990924_17.0211.C4.o2.gs	Method	GENSCAN
Start	4018	End	4523
GI	none	Score	.69
Exons	4018..4523		

Seq. No.	24392	Seq. ID	OJ990924_17.0211.C5
Gene No.	50744	Strand	+
Start	482	End	2440
Name	OJ990924_17.0211.C5.o1.gs	Method	GENSCAN
Start	482	End	2440
GI	none	Score	.57
Exons	482..593, 2343..2440		

Seq. No.	24392	Seq. ID	OJ990924_17.0211.C5
Gene No.	50745	Strand	+
Start	8996	End	13516
Name	OJ990924_17.0211.C5.o3.gs	Method	GENSCAN
Start	8996	End	13441
GI	none	Score	.61
Exons	8996..9008, 10199..10360, 10432..10499, 11029..11150, 11290..11342, 12105..12544, 12758..12774, 12870..12983, 13306..13441		

Seq. No.	24392	Seq. ID	OJ990924_17.0211.C5
Gene No.	50745	Strand	+
Start	8996	End	13516
Name	OJ990924_17.0211.C5.o1.np	Method	AAT/NAP
Start	11801	End	13516
GI	6907086	Score	517
Exons	11801..12624, 12683..13074, 13290..13516		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24392	Seq. ID	OJ990924_17.0211.C5
Gene No.	50746	Strand	-
Start	3229	End	4028
Name	OJ990924_17.0211.C5.o2.gs	Method	GENSCAN
Start	3229	End	4028
GI	none	Score	.95
Exons	3229..3644, 3863..4028		

Seq. No.	24392	Seq. ID	OJ990924_17.0211.C5
Gene No.	50747	Strand	-
Start	9507	End	15048
Name	OJ990924_17.0211.C5.o2.np	Method	AAT/NAP
Start	9507	End	15048
GI	4680179	Score	452
Exons	9507..9562, 11531..11617, 11796..11889, 13973..15048		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	24392	Seq. ID	OJ990924_17.0211.C5
Gene No.	50747	Strand	-
Start	9507	End	15048
Name	OJ990924_17.0211.C5.o1.tm	Method	TBLASTX:Maize

Start	14263	End	14559
GI	none	Score	191
Exons	14263..14559		

Seq. No.	24392	Seq. ID	OJ990924_17.0211.C5
Gene No.	50747	Strand	-
Start	9507	End	15048
Name	OJ990924_17.0211.C5.o1.tw	Method	TBLASTX:Wheat
Start	14443	End	14817
GI	none	Score	230
Exons	14443..14817		

Seq. No.	24393	Seq. ID	OJ990924_17.0211.C6
Gene No.	50748	Strand	-
Start	1	End	664
Name	OJ990924_17.0211.C6.o1.gp	Method	AAT/GAP
Start	1	End	664
GI	2443118	Score	584
Exons	1..117, 201..327, 577..664		
GI Descrip.	2894600/emb|CAA17134.1| 1.0e-47 (AL021889) putative protein [Arabidopsis thaliana]		

Seq. No.	24393	Seq. ID	OJ990924_17.0211.C6
Gene No.	50748	Strand	-
Start	1	End	664
Name	OJ990924_17.0211.C6.o1.np	Method	AAT/NAP
Start	1	End	664
GI	2894600	Score	289
Exons	1..117, 201..327, 577..664		
GI Descrip.	(AL021889) putative protein [Arabidopsis thaliana]		

Seq. No.	24393	Seq. ID	OJ990924_17.0211.C6
Gene No.	50748	Strand	-
Start	1	End	664
Name	OJ990924_17.0211.C6.o1.gs	Method	GENSCAN
Start	13	End	664
GI	none	Score	.94
Exons	13..117, 201..327, 577..664		

Seq. No.	24394	Seq. ID	OJ990924_17.0211.C7
Gene No.	50749	Strand	-
Start	1	End	1055
Name	OJ990924_17.0211.C7.o1.np	Method	AAT/NAP
Start	1	End	1055
GI	5080777	Score	293
Exons	1..18, 649..898, 941..1055		
GI Descrip.	(AC007576) Unknown protein [Arabidopsis thaliana]		

Seq. No.	24394	Seq. ID	OJ990924_17.0211.C7
Gene No.	50749	Strand	-
Start	1	End	1055
Name	OJ990924_17.0211.C7.o1.tm	Method	TBLASTX:Maize
Start	645	End	1055
GI	none	Score	285
Exons	645..893, 650..892, 947..1054, 948..1055		

Seq. No.	24394	Seq. ID	OJ990924_17.0211.C7

Gene No.	50749	Strand	-
Start	1	End	1055
Name	OJ990924_17.0211.C7.o1.ts	Method	TBLASTX:Soybean
Start	645	End	1048
GI	none	Score	176
Exons	645..890, 650..892, 942..1040, 947..1045, 950..1048		

Seq. No.	24394	Seq. ID	OJ990924_17.0211.C7
Gene No.	50749	Strand	-
Start	1	End	1055
Name	OJ990924_17.0211.C7.o1.tc	Method	TBLASTX:Cress
Start	648	End	1048
GI	none	Score	116
Exons	648..872, 650..892, 942..1037, 950..1048		

Seq. No.	24394	Seq. ID	OJ990924_17.0211.C7
Gene No.	50749	Strand	-
Start	1	End	1055
Name	OJ990924_17.0211.C7.o1.gs	Method	GENSCAN
Start	653	End	982
GI	none	Score	.93
Exons	653..982		

Seq. No.	24394	Seq. ID	OJ990924_17.0211.C7
Gene No.	50749	Strand	-
Start	1	End	1055
Name	OJ990924_17.0211.C7.o1.tw	Method	TBLASTX:Wheat
Start	683	End	1042
GI	none	Score	76
Exons	683..874, 759..860, 956..1042		

Seq. No.	24395	Seq. ID	OJ990924_17.0211.C8
Gene No.	50750	Strand	+
Start	2776	End	2971
Name	OJ990924_17.0211.C8.o1.gp	Method	AAT/GAP
Start	2776	End	2971
GI	4562_1.R1084	Score	329
Exons	2776..2971		
GI Descrip.	'2198851 0.0e+00 (AF007785) cystathionine gamma-synthase [Zea mays]'		

Seq. No.	24396	Seq. ID	OJ990924_17.0211.C9
Gene No.	50751	Strand	-
Start	1	End	2699
Name	OJ990924_17.0211.C9.o1.gp	Method	AAT/GAP
Start	1	End	2655
GI	4562_1.R1084	Score	2002
Exons	1..118, 201..296, 400..507, 769..855, 930..1133, 1224..1283, 1891..2059, 2195..2268, 2381..2484, 2581..2655		
GI Descrip.	'2198851 0.0e+00 (AF007785) cystathionine gamma-synthase [Zea mays]'		

Seq. No.	24396	Seq. ID	OJ990924_17.0211.C9
Gene No.	50751	Strand	-
Start	1	End	2699
Name	OJ990924_17.0211.C9.o1.np	Method	AAT/NAP
Start	1	End	2699

GI	2198851	Score	1596
Exons	1..118, 201..296, 400..507, 769..855, 930..1133, 1224..1283, 1891..2059, 2195..2268, 2381..2484, 2581..2699		
GI Descrip.	(AF007785) cystathionine gamma-synthase [Zea mays]		

Seq. No.	24396	Seq. ID	OJ990924_17.0211.C9
Gene No.	50751	Strand	-
Start	1	End	2699
Name	OJ990924_17.0211.C9.o1.ts	Method	TBLASTX:Soybean
Start	1	End	2482
GI	none	Score	105
Exons	1..63, 2..142, 3..116, 185..286, 187..291, 198..314, 201..299, 397..507, 398..508, 769..855, 815..856, 927..1133, 928..1134, 1197..1319, 1221..1319, 1875..2060, 1886..2077, 1891..2082, 2197..2301, 2379..2447, 2381..2482		

Seq. No.	24396	Seq. ID	OJ990924_17.0211.C9
Gene No.	50751	Strand	-
Start	1	End	2699
Name	OJ990924_17.0211.C9.o1.tc	Method	TBLASTX:Cress
Start	2	End	2485
GI	none	Score	115
Exons	2..142, 3..116, 196..288, 198..320, 201..305, 397..507, 398..508, 399..512, 769..855, 922..1089, 927..1151, 928..1134, 930..1148, 1197..1319, 1886..2062, 1888..2061, 2195..2305, 2197..2301, 2379..2447, 2381..2485		

Seq. No.	24396	Seq. ID	OJ990924_17.0211.C9
Gene No.	50751	Strand	-
Start	1	End	2699
Name	OJ990924_17.0211.C9.o1.tm	Method	TBLASTX:Maize
Start	2	End	2699
GI	none	Score	154
Exons	2..142, 3..119, 183..299, 187..303, 198..314, 200..304, 388..507, 401..514, 401..511, 402..515, 769..858, 769..855, 925..1134, 927..1151, 930..1136, 1197..1289, 1198..1284, 1211..1285, 1888..2058, 1888..2079, 1895..2080, 2195..2269, 2195..2269, 2197..2295, 2197..2301, 2331..2447, 2381..2482, 2381..2485, 2519..2689, 2579..2698, 2580..2699		

Seq. No.	24396	Seq. ID	OJ990924_17.0211.C9
Gene No.	50751	Strand	-
Start	1	End	2699
Name	OJ990924_17.0211.C9.o1.gs	Method	GENSCAN
Start	201	End	2656
GI	none	Score	.82
Exons	201..296, 400..507, 769..855, 930..1133, 1224..1283, 1891..2059, 2195..2268, 2381..2555, 2581..2656		

Seq. No.	24396	Seq. ID	OJ990924_17.0211.C9
Gene No.	50751	Strand	-
Start	1	End	2699
Name	OJ990924_17.0211.C9.o1.tw	Method	TBLASTX:Wheat
Start	821	End	2268
GI	none	Score	56
Exons	821..856, 823..855, 925..1134, 927..1151, 1197..1289, 1223..1285, 1882..2061, 1886..2080, 1887..2060, 1888..2079,		

2195..2266, 2195..2266, 2197..2268, 2197..2268

Seq. No.	24397	Seq. ID	OJ990924_17.0211.C10
Gene No.	50752	Strand	+
Start	188	End	396
Name	OJ990924_17.0211.C10.o1.gs	Method	GENSCAN
Start	188	End	396
GI	none	Score	.7
Exons	188..267, 297..396		

Seq. No.	24398	Seq. ID	OJ990924_17.0211.C11
Gene No.	50753	Strand	-
Start	1127	End	1233
Name	OJ990924_17.0211.C11.o1.gs	Method	GENSCAN
Start	1127	End	1233
GI	none	Score	.46
Exons	1127..1233		

Seq. No.	24399	Seq. ID	OJ990924_17.0211.C12
Gene No.	50754	Strand	+
Start	3679	End	4152
Name	OJ990924_17.0211.C12.o1.gs	Method	GENSCAN
Start	3679	End	4152
GI	none	Score	.48
Exons	3679..3733, 4079..4152		

Seq. No.	24399	Seq. ID	OJ990924_17.0211.C12
Gene No.	50755	Strand	+
Start	4259	End	5559
Name	OJ990924_17.0211.C12.o2.gs	Method	GENSCAN
Start	4259	End	5559
GI	none	Score	.82
Exons	4259..4345, 4450..4597, 5353..5559		

Seq. No.	24399	Seq. ID	OJ990924_17.0211.C12
Gene No.	50756	Strand	-
Start	4249	End	4722
Name	OJ990924_17.0211.C12.o1.gp	Method	AAT/GAP
Start	4249	End	4722
GI	48882_1.R1084	Score	907
Exons	4249..4722		
GI Descrip.	'5091597/gb|AC007858.1|10A19I 7.0e-31 Oryza sativa chromosome 1 BAC 10A19I, complete sequence'		

Seq. No.	24400	Seq. ID	OJ990924_17.0211.C13
Gene No.	50757	Strand	-
Start	1396	End	3870
Name	OJ990924_17.0211.C13.o1.gp	Method	AAT/GAP
Start	1220	End	1659
GI	43801_1.R1084	Score	597
Exons	1220..1461, 1566..1659		
GI Descrip.	'4056477 1.0e-16 (AC005896) putative RNA binding protein [Arabidopsis thaliana]'		

Seq. No.	24400	Seq. ID	OJ990924_17.0211.C13
Gene No.	50757	Strand	-
Start	1396	End	3870

Name	OJ990924_17.0211.C13.o1.tm	Method	TBLASTX:Maize
Start	1378	End	2285
GI	none	Score	91
Exons	1378..1461, 1390..1461, 1391..1474, 1562..1651, 1566..1775, 1566..1811, 1587..1643, 1703..1792, 1770..1859, 1786..1845, 2178..2252, 2184..2285, 2185..2280, 2188..2256, 2190..2258		

Seq. No.	24400	Seq. ID	OJ990924_17.0211.C13
Gene No.	50757	Strand	-
Start	1396	End	3870
Name	OJ990924_17.0211.C13.o1.tc	Method	TBLASTX:Cress
Start	1396	End	2868
GI	none	Score	65
Exons	1396..1461, 1409..1507, 1564..1770, 1566..1769, 1569..1745, 1569..1757, 1588..1758, 1785..1841, 1786..1845, 2179..2283, 2181..2291, 2184..2285, 2770..2868, 2772..2867		

Seq. No.	24400	Seq. ID	OJ990924_17.0211.C13
Gene No.	50757	Strand	-
Start	1396	End	3870
Name	OJ990924_17.0211.C13.o2.gs	Method	GENSCAN
Start	1396	End	2991
GI	none	Score	.87
Exons	1396..1461, 1566..1847, 2181..2282, 2707..2991		

Seq. No.	24400	Seq. ID	OJ990924_17.0211.C13
Gene No.	50757	Strand	-
Start	1396	End	3870
Name	OJ990924_17.0211.C13.o1.np	Method	AAT/NAP
Start	1399	End	3122
GI	4056477	Score	597
Exons	1399..1461, 1566..1847, 2181..2282, 2775..3122		
GI Descrip.	(AC005896) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	24400	Seq. ID	OJ990924_17.0211.C13
Gene No.	50757	Strand	-
Start	1396	End	3870
Name	OJ990924_17.0211.C13.o1.ts	Method	TBLASTX:Soybean
Start	1408	End	2868
GI	none	Score	63
Exons	1408..1461, 1569..1685, 1569..1757, 1584..1685, 1588..1758, 1680..1844, 1683..1760, 1683..1775, 1804..1845, 2179..2283, 2181..2285, 2181..2291, 2184..2285, 2203..2283, 2770..2868, 2772..2867		

Seq. No.	24400	Seq. ID	OJ990924_17.0211.C13
Gene No.	50757	Strand	-
Start	1396	End	3870
Name	OJ990924_17.0211.C13.o1.tw	Method	TBLASTX:Wheat
Start	1417	End	2285
GI	none	Score	60
Exons	1417..1464, 1569..1757, 1570..1749, 2184..2285, 2185..2280		

Seq. No.	24400	Seq. ID	OJ990924_17.0211.C13
Gene No.	50757	Strand	-
Start	1396	End	3870
Name	OJ990924_17.0211.C13.o2.np	Method	AAT/NAP

Start	2587	End	3870
GI	6434257	Score	81
Exons	2587..2654, 2914..3184, 3841..3870		
GI Descrip.	(Z46676) similar to Poly(A) RNA binding protein; cDNA EST EMBL:D65752 comes from this gene; cDNA EST EMBL:D69301 comes from this gene; cDNA EST EMBL:C11188 comes from this gene; cDNA EST EMBL:C13204 comes from this gene; cDNA...		

Seq. No.	24400	Seq. ID	OJ990924_17.0211.C13
Gene No.	50757	Strand	-
Start	1396	End	3870
Name	OJ990924_17.0211.C13.o2.gp	Method	AAT/GAP
Start	2882	End	3158
GI	none	Score	499
Exons	2882..3158		

Seq. No.	24401	Seq. ID	OJ990924_17.0211.C16
Gene No.	50758	Strand	+
Start	71	End	589
Name	OJ990924_17.0211.C16.o1.gp	Method	AAT/GAP
Start	71	End	589
GI	2443118	Score	132
Exons	71..108, 512..589		
GI Descrip.	2894600/emb|CAA17134.1| 1.0e-47 (AL021889) putative protein [Arabidopsis thaliana]		

Seq. No.	24401	Seq. ID	OJ990924_17.0211.C16
Gene No.	50759	Strand	-
Start	1	End	3205
Name	OJ990924_17.0211.C16.o1.np	Method	AAT/NAP
Start	1	End	3205
GI	2894600	Score	131
Exons	1..46, 522..587, 845..934, 1041..1075, 3162..3205		
GI Descrip.	(AL021889) putative protein [Arabidopsis thaliana]		

Seq. No.	24401	Seq. ID	OJ990924_17.0211.C16
Gene No.	50759	Strand	-
Start	1	End	3205
Name	OJ990924_17.0211.C16.o1.gs	Method	GENSCAN
Start	514	End	2936
GI	none	Score	.76
Exons	514..587, 1041..1119, 1260..1333, 1550..1680, 2128..2161, 2239..2326, 2388..2507, 2863..2936		

Seq. No.	24402	Seq. ID	OJ990924_17.0211.C17
Gene No.	50760	Strand	+
Start	2242	End	2668
Name	OJ990924_17.0211.C17.o1.gp	Method	AAT/GAP
Start	2242	End	2668
GI	LIB3479-006-Q6-K1-B11	Score	609
Exons	2242..2668		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	24402	Seq. ID	OJ990924_17.0211.C17
Gene No.	50761	Strand	-
Start	2042	End	2457

Name	OJ990924_17.0211.C17.o1.np	Method	AAT/NAP
Start	2042	End	2457
GI	6539570	Score	216
Exons	2042..2108, 2255..2457		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	24402	Seq. ID	OJ990924_17.0211.C17
Gene No.	50762	Strand	-
Start	2585	End	2667
Name	OJ990924_17.0211.C17.o2.np	Method	AAT/NAP
Start	2585	End	2667
GI	6630699	Score	93
Exons	2585..2667		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	24403	Seq. ID	OJ990924_17.0211.C18
Gene No.	50763	Strand	-
Start	627	End	1206
Name	OJ990924_17.0211.C18.o2.tm	Method	TBLASTX:Maize
Start	525	End	744
GI	none	Score	185
Exons	525..554, 529..741, 535..564, 573..611, 590..739, 592..744		

Seq. No.	24403	Seq. ID	OJ990924_17.0211.C18
Gene No.	50763	Strand	-
Start	627	End	1206
Name	OJ990924_17.0211.C18.o1.np	Method	AAT/NAP
Start	627	End	1206
GI	3461821	Score	270
Exons	627..879, 979..1206		
GI Descrip.	(AC004138) putative nucleoside triphosphatase [Arabidopsis thaliana]		

Seq. No.	24403	Seq. ID	OJ990924_17.0211.C18
Gene No.	50763	Strand	-
Start	627	End	1206
Name	OJ990924_17.0211.C18.o1.ts	Method	TBLASTX:Soybean
Start	630	End	1184
GI	none	Score	76
Exons	630..698, 634..699, 819..881, 820..864, 965..1060, 978..1088, 979..1089, 1085..1177, 1098..1184		

Seq. No.	24403	Seq. ID	OJ990924_17.0211.C18
Gene No.	50763	Strand	-
Start	627	End	1206
Name	OJ990924_17.0211.C18.o1.tm	Method	TBLASTX:Maize
Start	745	End	1184
GI	none	Score	112
Exons	745..882, 748..882, 753..884, 819..899, 969..1088, 970..1089, 977..1093, 1085..1177, 1086..1184, 1086..1184		

Seq. No.	24403	Seq. ID	OJ990924_17.0211.C18
Gene No.	50763	Strand	-
Start	627	End	1206
Name	OJ990924_17.0211.C18.o1.tc	Method	TBLASTX:Cress

Start	777	End	1184
GI	none	Score	90
Exons	777..881, 969..1079, 970..1068, 1088..1177, 1089..1184		

Seq. No.	24404	Seq. ID	OJ990924_17.0211.C19
Gene No.	50764	Strand	-
Start	1	End	2093
Name	OJ990924_17.0211.C19.o1.np	Method	AAT/NAP
Start	1	End	2093
GI	3461821	Score	382
Exons	1..315, 882..989, 1257..1369, 1891..2093		
GI Descrip.	(AC004138) putative nucleoside triphosphatase [Arabidopsis thaliana]		

Seq. No.	24404	Seq. ID	OJ990924_17.0211.C19
Gene No.	50764	Strand	-
Start	1	End	2093
Name	OJ990924_17.0211.C19.o1.tm	Method	TBLASTX:Maize
Start	52	End	2053
GI	none	Score	85
Exons	52..177, 78..179, 80..190, 81..176, 204..257, 206..253, 731..784, 732..782, 738..788, 739..801, 863..982, 882..992, 882..992, 883..993, 887..994, 1249..1326, 1254..1370, 1257..1373, 1881..2033, 1886..2029, 1900..2031, 2024..2053		

Seq. No.	24404	Seq. ID	OJ990924_17.0211.C19
Gene No.	50764	Strand	-
Start	1	End	2093
Name	OJ990924_17.0211.C19.o1.gp	Method	AAT/GAP
Start	76	End	2069
GI	49573_1.R1084	Score	1141
Exons	76..258, 739..781, 882..989, 1257..1369, 1891..2069		
GI Descrip.	'3461821 2.0e-49 (AC004138) putative nucleoside triphosphatase [Arabidopsis thaliana]'		

Seq. No.	24404	Seq. ID	OJ990924_17.0211.C19
Gene No.	50764	Strand	-
Start	1	End	2093
Name	OJ990924_17.0211.C19.o1.gs	Method	GENSCAN
Start	76	End	2014
GI	none	Score	.68
Exons	76..258, 739..781, 882..989, 1748..1831, 1901..2014		

Seq. No.	24404	Seq. ID	OJ990924_17.0211.C19
Gene No.	50764	Strand	-
Start	1	End	2093
Name	OJ990924_17.0211.C19.o1.ts	Method	TBLASTX:Soybean
Start	885	End	2031
GI	none	Score	86
Exons	885..992, 1249..1326, 1250..1375, 1254..1382, 1255..1383, 1886..2026, 1889..2029, 1906..2031		

Seq. No.	24405	Seq. ID	OJ990924_17.0211.C20
Gene No.	50765	Strand	-
Start	413	End	1037
Name	OJ990924_17.0211.C20.o1.gs	Method	GENSCAN
Start	413	End	1037

GI	none	Score	.84
Exons	413..613, 902..1037		

Seq. No.	24406	Seq. ID	OJ990924_17.0211.C21
Gene No.	50766	Strand	+
Start	60	End	347
Name	OJ990924_17.0211.C21.o1.gs	Method	GENSCAN
Start	60	End	347
GI	none	Score	1
Exons	60..347		

Seq. No.	24406	Seq. ID	OJ990924_17.0211.C21
Gene No.	50767	Strand	+
Start	5491	End	10216
Name	OJ990924_17.0211.C21.o3.gs	Method	GENSCAN
Start	5491	End	10216
GI	none	Score	.87
Exons	5491..5544, 6481..6622, 6717..6781, 6821..7048, 7129..7227, 8328..8569, 8981..9167, 9243..9356, 9437..9636, 9740..9937, 10045..10216		

Seq. No.	24406	Seq. ID	OJ990924_17.0211.C21
Gene No.	50767	Strand	+
Start	5491	End	10216
Name	OJ990924_17.0211.C21.o1.np	Method	AAT/NAP
Start	6845	End	10207
GI	6730659	Score	1082
Exons	6845..7048, 7129..7227, 8328..8580, 8838..8948, 9031..9167, 9243..9356, 9437..9636, 9740..9937, 10046..10207		
GI Descrip.	(AC007945) F28C11.9 [Arabidopsis thaliana]		

Seq. No.	24406	Seq. ID	OJ990924_17.0211.C21
Gene No.	50768	Strand	+
Start	10188	End	10421
Name	OJ990924_17.0211.C21.o2.gp	Method	AAT/GAP
Start	10188	End	10421
GI	none	Score	408
Exons	10188..10421		

Seq. No.	24406	Seq. ID	OJ990924_17.0211.C21
Gene No.	50769	Strand	+
Start	10974	End	11588
Name	OJ990924_17.0211.C21.o4.gs	Method	GENSCAN
Start	10974	End	11588
GI	none	Score	.59
Exons	10974..11588		

Seq. No.	24406	Seq. ID	OJ990924_17.0211.C21
Gene No.	50769	Strand	+
Start	10974	End	11588
Name	OJ990924_17.0211.C21.o2.np	Method	AAT/NAP
Start	11118	End	11474
GI	5080796	Score	126
Exons	11118..11474		
GI Descrip.	(AC007576) Unknown protein [Arabidopsis thaliana]		

Seq. No.	24406	Seq. ID	OJ990924_17.0211.C21

Gene No.	50770	Strand	-
Start	1077	End	3099
Name	OJ990924_17.0211.C21.o2.gs	Method	GENSCAN
Start	1077	End	3099
GI	none	Score	.56
Exons	1077..1501, 2561..2788, 2799..3099		

Seq. No.	24406	Seq. ID	OJ990924_17.0211.C21
Gene No.	50771	Strand	-
Start	9494	End	10172
Name	OJ990924_17.0211.C21.o1.gp	Method	AAT/GAP
Start	9494	End	10172
GI	LIB3432-040-P1-K1-G9	Score	804
Exons	9494..9617, 9695..9905, 10056..10172		
GI Descrip.	'5441877/dbj|BAA82375.1| 3.0e-18 (AP000367) Similar to glycogenin glucosyltransferase (EC 2.4.1.186). (Z97341) [Oryza sativa]'		

Seq. No.	24406	Seq. ID	OJ990924_17.0211.C21
Gene No.	50772	Strand	-
Start	12850	End	14851
Name	OJ990924_17.0211.C21.o4.tm	Method	TBLASTX:Maize
Start	6773	End	7224
GI	none	Score	92
Exons	6773..6946, 7004..7051, 7006..7035, 7129..7224, 7137..7214		

Seq. No.	24406	Seq. ID	OJ990924_17.0211.C21
Gene No.	50772	Strand	-
Start	12850	End	14851
Name	OJ990924_17.0211.C21.o1.ts	Method	TBLASTX:Soybean
Start	7004	End	10195
GI	none	Score	67
Exons	7004..7051, 7128..7226, 7129..7227, 8333..8491, 8343..8510, 8490..8579, 8490..8579, 8836..8997, 8837..8950, 8985..9185, 9023..9184, 9240..9347, 9248..9331, 9416..9643, 9434..9634, 9738..9890, 9764..9868, 10043..10129, 10112..10195		

Seq. No.	24406	Seq. ID	OJ990924_17.0211.C21
Gene No.	50772	Strand	-
Start	12850	End	14851
Name	OJ990924_17.0211.C21.o1.tc	Method	TBLASTX:Cress
Start	7004	End	9878
GI	none	Score	61
Exons	7004..7051, 7129..7215, 8321..8572, 8343..8579, 8412..8579, 8836..8949, 8837..8950, 9029..9184, 9042..9170, 9231..9359, 9416..9640, 9762..9878		

Seq. No.	24406	Seq. ID	OJ990924_17.0211.C21
Gene No.	50772	Strand	-
Start	12850	End	14851
Name	OJ990924_17.0211.C21.o2.tm	Method	TBLASTX:Maize
Start	8391	End	9077
GI	none	Score	240
Exons	8391..8579, 8399..8569, 8836..8997, 8837..8950, 9029..9076, 9042..9077		

Seq. No.	24406	Seq. ID	OJ990924_17.0211.C21

Gene No.	50772	Strand	-
Start	12850	End	14851
Name	OJ990924_17.0211.C21.o1.tm	Method	TBLASTX:Maize
Start	9079	End	10194
GI	none	Score	77
Exons	9079..9144, 9083..9145, 9083..9184, 9084..9185, 9240..9356, 9241..9357, 9242..9367, 9242..9358, 9246..9362, 9247..9372, 9422..9643, 9442..9633, 9732..9884, 9739..9885, 9739..9879, 9740..9883, 9883..9945, 9885..9947, 10037..10189, 10042..10188, 10042..10194, 10043..10189		

Seq. No.	24406	Seq. ID	OJ990924_17.0211.C21
Gene No.	50772	Strand	-
Start	12850	End	14851
Name	OJ990924_17.0211.C21.o1.tw	Method	TBLASTX:Wheat
Start	9281	End	9876
GI	none	Score	97
Exons	9281..9367, 9282..9356, 9422..9643, 9425..9634, 9732..9875, 9739..9876, 9740..9874		

Seq. No.	24406	Seq. ID	OJ990924_17.0211.C21
Gene No.	50772	Strand	-
Start	12850	End	14851
Name	OJ990924_17.0211.C21.o3.gp	Method	AAT/GAP
Start	12541	End	12993
GI	5667517	Score	732
Exons	12541..12993		

Seq. No.	24406	Seq. ID	OJ990924_17.0211.C21
Gene No.	50772	Strand	-
Start	12850	End	14851
Name	OJ990924_17.0211.C21.o5.gs	Method	GENSCAN
Start	12850	End	14747
GI	none	Score	.73
Exons	12850..12982, 13075..13175, 13791..13901, 14430..14553, 14660..14747		

Seq. No.	24406	Seq. ID	OJ990924_17.0211.C21
Gene No.	50772	Strand	-
Start	12850	End	14851
Name	OJ990924_17.0211.C21.o3.tm	Method	TBLASTX:Maize
Start	12856	End	14851
GI	none	Score	106
Exons	12856..12984, 12880..12984, 13075..13176, 13080..13175, 13778..13897, 13789..13899, 13790..13900, 14437..14553, 14439..14579, 14440..14547, 14762..14851		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50773	Strand	+
Start	246	End	672
Name	OJ990924_17.0211.C23.o1.gs	Method	GENSCAN
Start	246	End	672
GI	none	Score	.85
Exons	246..294, 425..672		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50774	Strand	+

Start	5511	End	11164
Name	OJ990924_17.0211.C23.o1.np	Method	AAT/NAP
Start	4862	End	11087
GI	6466937	Score	2416
Exons	4862..4937, 6343..6507, 6574..10790, 11039..11087		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50774	Strand	+
Start	5511	End	11164
Name	OJ990924_17.0211.C23.o3.gs	Method	GENSCAN
Start	5511	End	9062
GI	none	Score	.56
Exons	5511..5753, 6072..6387, 6389..6532, 6620..6669, 6730..7255, 7268..7495, 7732..9062		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50774	Strand	+
Start	5511	End	11164
Name	OJ990924_17.0211.C23.o4.gs	Method	GENSCAN
Start	9231	End	11164
GI	none	Score	.41
Exons	9231..9915, 10006..10725, 11019..11164		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50775	Strand	-
Start	937	End	2849
Name	OJ990924_17.0211.C23.o2.gs	Method	GENSCAN
Start	937	End	2849
GI	none	Score	.79
Exons	937..1167, 1221..1388, 1468..1596, 1828..2031, 2134..2248, 2526..2565, 2608..2683, 2748..2849		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50775	Strand	-
Start	937	End	2849
Name	OJ990924_17.0211.C23.o4.ts	Method	TBLASTX:Soybean
Start	1834	End	2236
GI	none	Score	65
Exons	1834..2028, 2134..2229, 2138..2236		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50776	Strand	
Start	7977	End	8513
Name	OJ990924_17.0211.C23.o1.tw	Method	TBLASTX:Wheat
Start	7977	End	8459
GI	none	Score	409
Exons	7977..8459, 7977..8417, 8081..8419		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50776	Strand	
Start	7977	End	8513
Name	OJ990924_17.0211.C23.o3.ts	Method	TBLASTX:Soybean
Start	8013	End	8327
GI	none	Score	224
Exons	8013..8327, 8039..8326		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50776	Strand	
Start	7977	End	8513
Name	OJ990924_17.0211.C23.o2.tm	Method	TBLASTX:Maize
Start	8034	End	8513
GI	none	Score	515
Exons	8034..8513, 8040..8459, 8042..8506		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50777	Strand	
Start	8442	End	9056
Name	OJ990924_17.0211.C23.o1.ts	Method	TBLASTX:Soybean
Start	8442	End	8783
GI	none	Score	308
Exons	8442..8783		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50777	Strand	
Start	8442	End	9056
Name	OJ990924_17.0211.C23.o4.tw	Method	TBLASTX:Wheat
Start	8508	End	8906
GI	none	Score	240
Exons	8508..8783, 8769..8906		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50777	Strand	
Start	8442	End	9056
Name	OJ990924_17.0211.C23.o3.tm	Method	TBLASTX:Maize
Start	8532	End	9056
GI	none	Score	263
Exons	8532..8783, 8546..8674, 8606..8791, 8766..9056, 8846..9040		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50778	Strand	
Start	9072	End	10109
Name	OJ990924_17.0211.C23.o5.tm	Method	TBLASTX:Maize
Start	9072	End	9476
GI	none	Score	135
Exons	9072..9230, 9237..9476		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50778	Strand	
Start	9072	End	10109
Name	OJ990924_17.0211.C23.o2.tw	Method	TBLASTX:Wheat
Start	9252	End	9644
GI	none	Score	350
Exons	9252..9644, 9404..9442, 9539..9643		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50778	Strand	
Start	9072	End	10109
Name	OJ990924_17.0211.C23.o1.tm	Method	TBLASTX:Maize
Start	9477	End	10109
GI	none	Score	348
Exons	9477..9845, 9563..9835, 9843..10109, 9845..10090		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50778	Strand	
Start	9072	End	10109
Name	OJ990924_17.0211.C23.o2.ts	Method	TBLASTX:Soybean
Start	9498	End	9881
GI	none	Score	289
Exons	9498..9848, 9527..9844, 9846..9881		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50778	Strand	
Start	9072	End	10109
Name	OJ990924_17.0211.C23.o5.tw	Method	TBLASTX:Wheat
Start	9732	End	10109
GI	none	Score	89
Exons	9732..9848, 9845..9979, 9846..10109		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50779	Strand	
Start	10193	End	10736
Name	OJ990924_17.0211.C23.o4.tm	Method	TBLASTX:Maize
Start	10193	End	10736
GI	none	Score	275
Exons	10193..10483, 10239..10517, 10551..10736, 10586..10735		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50779	Strand	
Start	10193	End	10736
Name	OJ990924_17.0211.C23.o3.tw	Method	TBLASTX:Wheat
Start	10199	End	10517
GI	none	Score	70
Exons	10199..10486, 10205..10468, 10239..10517		

Seq. No.	24407	Seq. ID	OJ990924_17.0211.C23
Gene No.	50779	Strand	
Start	10193	End	10736
Name	OJ990924_17.0211.C23.o6.tw	Method	TBLASTX:Wheat
Start	10524	End	10701
GI	none	Score	191
Exons	10524..10700, 10578..10700, 10606..10701		

Seq. No.	24408	Seq. ID	OJ990924_17.0211.C24
Gene No.	50780	Strand	-
Start	13	End	1307
Name	OJ990924_17.0211.C24.o1.tm	Method	TBLASTX:Maize
Start	3	End	1230
GI	none	Score	68
Exons	3..92, 3..95, 177..278, 182..277, 205..279, 506..604, 507..617, 508..624, 817..942, 821..928, 1101..1229, 1152..1229, 1159..1230		

Seq. No.	24408	Seq. ID	OJ990924_17.0211.C24
Gene No.	50780	Strand	-
Start	13	End	1307
Name	OJ990924_17.0211.C24.o1.gs	Method	GENSCAN
Start	13	End	1241
GI	none	Score	.92
Exons	13..96, 177..277, 811..934, 1040..1068, 1155..1241		

Seq. No.	24408	Seq. ID	OJ990924_17.0211.C24
Gene No.	50780	Strand	-
Start	13	End	1307
Name	OJ990924_17.0211.C24.o1.gp	Method	AAT/GAP
Start	521	End	1307
GI	none	Score	566
Exons	521..618, 811..934, 1040..1068, 1155..1307		

Seq. No.	24409	Seq. ID	OJ990924_17.0211.C25
Gene No.	50781	Strand	+
Start	11261	End	11354
Name	OJ990924_17.0211.C25.o4.gp	Method	AAT/GAP
Start	11261	End	11354
GI	LIB3477-003-P1-K1-E9	Score	129
Exons	11261..11354		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	24409	Seq. ID	OJ990924_17.0211.C25
Gene No.	50782	Strand	-
Start	187	End	283
Name	OJ990924_17.0211.C25.o1.gp	Method	AAT/GAP
Start	187	End	283
GI	none	Score	165
Exons	187..283		

Seq. No.	24409	Seq. ID	OJ990924_17.0211.C25
Gene No.	50783	Strand	-
Start	2983	End	7306
Name	OJ990924_17.0211.C25.o2.gp	Method	AAT/GAP
Start	2343	End	3311
GI	3763712	Score	477
Exons	2343..2561, 3237..3311		

Seq. No.	24409	Seq. ID	OJ990924_17.0211.C25
Gene No.	50783	Strand	-
Start	2983	End	7306
Name	OJ990924_17.0211.C25.o2.gs	Method	GENSCAN
Start	2983	End	7306
GI	none	Score	.82
Exons	2983..3087, 3237..3404, 3491..3619, 4165..4279, 4650..4954, 5810..5956, 5997..6099, 6613..6759, 7209..7306		

Seq. No.	24409	Seq. ID	OJ990924_17.0211.C25
Gene No.	50784	Strand	-
Start	8717	End	19810
Name	OJ990924_17.0211.C25.o2.ts	Method	TBLASTX:Soybean
Start	2401	End	3329
GI	none	Score	135
Exons	2401..2547, 2403..2546, 3246..3329		

Seq. No.	24409	Seq. ID	OJ990924_17.0211.C25
Gene No.	50784	Strand	-
Start	8717	End	19810
Name	OJ990924_17.0211.C25.o3.ts	Method	TBLASTX:Soybean
Start	3855	End	4248

GI	none	Score	84
Exons	3855..4049, 3909..4028, 4139..4246, 4159..4248		

Seq. No.	24409	Seq. ID	OJ990924_17.0211.C25
Gene No.	50784	Strand	-
Start	8717	End	19810
Name	OJ990924_17.0211.C25.o1.tm	Method	TBLASTX:Maize
Start	8717	End	9466
GI	none	Score	191
Exons	8717..8902, 8718..8891, 8954..9034, 8970..9035, 9407..9466		

Seq. No.	24409	Seq. ID	OJ990924_17.0211.C25
Gene No.	50784	Strand	-
Start	8717	End	19810
Name	OJ990924_17.0211.C25.o3.gs	Method	GENSCAN
Start	8717	End	9007
GI	none	Score	1
Exons	8717..9007		

Seq. No.	24409	Seq. ID	OJ990924_17.0211.C25
Gene No.	50784	Strand	-
Start	8717	End	19810
Name	OJ990924_17.0211.C25.o1.np	Method	AAT/NAP
Start	8720	End	9957
GI	4027897	Score	786
Exons	8720..9032, 9402..9737, 9828..9957		
GI Descrip.	(AF049353) alpha-expansin precursor [Nicotiana tabacum]		

Seq. No.	24409	Seq. ID	OJ990924_17.0211.C25
Gene No.	50784	Strand	-
Start	8717	End	19810
Name	OJ990924_17.0211.C25.o1.tc	Method	TBLASTX:Cress
Start	8723	End	9889
GI	none	Score	136
Exons	8723..8899, 8724..8891, 8954..9034, 8970..9035, 9407..9481, 9520..9570, 9625..9738, 9826..9888, 9827..9889		

Seq. No.	24409	Seq. ID	OJ990924_17.0211.C25
Gene No.	50784	Strand	-
Start	8717	End	19810
Name	OJ990924_17.0211.C25.o1.ts	Method	TBLASTX:Soybean
Start	8723	End	9889
GI	none	Score	139
Exons	8723..8899, 8724..8891, 8954..9034, 8970..9035, 9407..9481, 9532..9564, 9625..9738, 9826..9888, 9827..9889		

Seq. No.	24409	Seq. ID	OJ990924_17.0211.C25
Gene No.	50784	Strand	-
Start	8717	End	19810
Name	OJ990924_17.0211.C25.o4.gs	Method	GENSCAN
Start	9343	End	19810
GI	none	Score	.41
Exons	9343..9702, 9713..10007, 10505..10813, 11385..11548, 12105..12111, 12901..13039, 13124..13276, 15217..15505, 15620..15820, 17710..17843, 18975..19095, 19174..19275, 19462..19650, 19658..19810		

Seq. No.	24409	Seq. ID	OJ990924_17.0211.C25
Gene No.	50784	Strand	-
Start	8717	End	19810
Name	OJ990924_17.0211.C25.o2.tm	Method	TBLASTX:Maize
Start	9490	End	9889
GI	none	Score	69
Exons	9490..9564, 9491..9565, 9625..9738, 9629..9685, 9826..9888, 9827..9889		

Seq. No.	24409	Seq. ID	OJ990924_17.0211.C25
Gene No.	50784	Strand	-
Start	8717	End	19810
Name	OJ990924_17.0211.C25.o3.gp	Method	AAT/GAP
Start	10783	End	11257
GI	LIB3432-059-P1-K1-D8	Score	770
Exons	10783..11257		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	24409	Seq. ID	OJ990924_17.0211.C25
Gene No.	50784	Strand	-
Start	8717	End	19810
Name	OJ990924_17.0211.C25.o2.np	Method	AAT/NAP
Start	13347	End	13711
GI	6539585	Score	151
Exons	13347..13401, 13533..13711		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	24409	Seq. ID	OJ990924_17.0211.C25
Gene No.	50784	Strand	-
Start	8717	End	19810
Name	OJ990924_17.0211.C25.o3.np	Method	AAT/NAP
Start	15119	End	15436
GI	1223972	Score	566
Exons	15119..15436		
GI Descrip.	(U40814) unknown [Oryza sativa]		

Seq. No.	24410	Seq. ID	OJ990924_17.0211.C26
Gene No.	50785	Strand	-
Start	310	End	1058
Name	OJ990924_17.0211.C26.o1.ts	Method	TBLASTX:Soybean
Start	293	End	743
GI	none	Score	109
Exons	293..394, 306..392, 306..392, 311..421, 471..581, 472..582, 484..585, 695..742, 696..743		

Seq. No.	24410	Seq. ID	OJ990924_17.0211.C26
Gene No.	50785	Strand	-
Start	310	End	1058
Name	OJ990924_17.0211.C26.o1.tc	Method	TBLASTX:Cress
Start	306	End	743
GI	none	Score	115
Exons	306..392, 307..393, 314..391, 314..391, 315..392, 471..593, 472..582, 695..742, 696..743		

Seq. No.	24410	Seq. ID	OJ990924_17.0211.C26
Gene No.	50785	Strand	-

Start	310	End	1058
Name	OJ990924_17.0211.C26.o1.gs	Method	GENSCAN
Start	310	End	740
GI	none	Score	.89
Exons	310..391, 474..578, 686..740		

Seq. No.	24410	Seq. ID	OJ990924_17.0211.C26
Gene No.	50785	Strand	-
Start	310	End	1058
Name	OJ990924_17.0211.C26.o1.np	Method	AAT/NAP
Start	310	End	1058
GI	6714473	Score	216
Exons	310..391, 474..581, 686..740, 1021..1058		
GI Descrip.	(AC008261) putative polypyrimidine tract-binding protein [Arabidopsis thaliana]		

Seq. No.	24410	Seq. ID	OJ990924_17.0211.C26
Gene No.	50785	Strand	-
Start	310	End	1058
Name	OJ990924_17.0211.C26.o1.tm	Method	TBLASTX:Maize
Start	317	End	743
GI	none	Score	122
Exons	317..391, 318..392, 471..581, 471..581, 472..582, 500..592, 695..742, 696..743		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50786	Strand	+
Start	5608	End	11124
Name	OJ990924_17.0211.C27.o1.gp	Method	AAT/GAP
Start	4765	End	6036
GI	44258_1.R1084	Score	998
Exons	4765..4891, 5605..6036		
GI Descrip.	'5080792/gb|AAD39302.1|AC007576_25 5.0e-23 (AC007576) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50786	Strand	+
Start	5608	End	11124
Name	OJ990924_17.0211.C27.o2.gs	Method	GENSCAN
Start	5608	End	11124
GI	none	Score	.6
Exons	5608..6180, 6493..6915, 7008..7265, 7352..7433, 7482..7618, 7700..7758, 8191..8339, 8765..8860, 11060..11124		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50786	Strand	+
Start	5608	End	11124
Name	OJ990924_17.0211.C27.o2.np	Method	AAT/NAP
Start	5611	End	7567
GI	5080792	Score	929
Exons	5611..6180, 6493..6648, 6712..6915, 7008..7265, 7352..7567		
GI Descrip.	(AC007576) Unknown protein [Arabidopsis thaliana]		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50786	Strand	+
Start	5608	End	11124
Name	OJ990924_17.0211.C27.o2.gp	Method	AAT/GAP

Start	7502	End	8042
GI	uC-osflm202104e10b1	Score	465
Exons	7502..7618, 7700..7758, 7951..8042		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50786	Strand	+
Start	5608	End	11124
Name	OJ990924_17.0211.C27.o3.gp	Method	AAT/GAP
Start	7532	End	8123
GI	uC-osflm202104e10b1	Score	539
Exons	7532..7618, 7700..7758, 7951..8123		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50786	Strand	+
Start	5608	End	11124
Name	OJ990924_17.0211.C27.o4.gp	Method	AAT/GAP
Start	7972	End	8459
GI	none	Score	582
Exons	7972..8023, 8191..8459		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50786	Strand	+
Start	5608	End	11124
Name	OJ990924_17.0211.C27.o5.gp	Method	AAT/GAP
Start	8781	End	9256
GI	none	Score	915
Exons	8781..9256		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50787	Strand	-
Start	1	End	2477
Name	OJ990924_17.0211.C27.o1.np	Method	AAT/NAP
Start	1	End	2465
GI	3395938	Score	737
Exons	1..119, 216..289, 371..433, 1152..1361, 2283..2465		
GI Descrip.	(AF076924) polypyrimidine tract-binding protein homolog [Arabidopsis thaliana]		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50787	Strand	-
Start	1	End	2477
Name	OJ990924_17.0211.C27.o1.tc	Method	TBLASTX:Cress
Start	24	End	2474
GI	none	Score	79
Exons	24..47, 50..121, 188..292, 215..292, 356..445, 371..484, 375..434, 1128..1358, 1132..1359, 2283..2444, 2284..2442, 2358..2474		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50787	Strand	-
Start	1	End	2477
Name	OJ990924_17.0211.C27.o3.tm	Method	TBLASTX:Maize
Start	24	End	837

GI	none	Score	114
Exons	24..47, 45..152, 50..118, 206..295, 213..293, 369..434, 371..508, 372..434, 738..776, 738..767, 766..837, 767..832		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50787	Strand	-
Start	1	End	2477
Name	OJ990924_17.0211.C27.o1.gs	Method	GENSCAN
Start	25	End	2477
GI	none	Score	.88
Exons	25..119, 216..289, 371..433, 1152..1361, 2283..2477		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50787	Strand	-
Start	1	End	2477
Name	OJ990924_17.0211.C27.o2.ts	Method	TBLASTX:Soybean
Start	50	End	2444
GI	none	Score	77
Exons	50..121, 215..292, 356..445, 372..434, 1122..1301, 1128..1358, 1132..1359, 2283..2444, 2358..2444		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50787	Strand	-
Start	1	End	2477
Name	OJ990924_17.0211.C27.o2.tm	Method	TBLASTX:Maize
Start	1152	End	2444
GI	none	Score	179
Exons	1152..1358, 1159..1347, 2283..2444, 2284..2442, 2358..2444		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50787	Strand	-
Start	1	End	2477
Name	OJ990924_17.0211.C27.o2.tw	Method	TBLASTX:Wheat
Start	1266	End	2444
GI	none	Score	57
Exons	1266..1358, 1267..1359, 1269..1361, 2283..2444, 2284..2442, 2358..2444		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50788	Strand	
Start	5611	End	8491
Name	OJ990924_17.0211.C27.o3.tc	Method	TBLASTX:Cress
Start	5611	End	5934
GI	none	Score	41
Exons	5611..5646, 5650..5700, 5683..5934, 5718..5933		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50788	Strand	
Start	5611	End	8491
Name	OJ990924_17.0211.C27.o4.tm	Method	TBLASTX:Maize
Start	5619	End	5742
GI	none	Score	110
Exons	5619..5738, 5619..5651, 5620..5742, 5630..5737, 5706..5741		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50788	Strand	
Start	5611	End	8491

Name	OJ990924_17.0211.C27.o1.ts	Method	TBLASTX:Soybean
Start	5647	End	7534
GI	none	Score	43
Exons	5647..5700, 5718..5954, 5719..6003, 5992..6051, 5995..6189, 6031..6180, 6096..6188, 6097..6189, 6489..6587, 6493..6696, 6623..6883, 6625..6924, 6639..6776, 6643..6888, 7005..7268, 7006..7269, 7007..7216, 7086..7211, 7107..7268, 7113..7211, 7339..7533, 7349..7534		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50788	Strand	
Start	5611	End	8491
Name	OJ990924_17.0211.C27.o1.tm	Method	TBLASTX:Maize
Start	5742	End	8491
GI	none	Score	84
Exons	5742..5873, 6022..6192, 6145..6198, 6476..6775, 6490..6864, 6493..6888, 6840..6887, 6867..6914, 6868..6915, 6992..7234, 7005..7268, 7007..7216, 7086..7232, 7348..7536, 7349..7537, 7351..7536, 7530..7622, 7540..7620, 7695..7763, 7698..7760, 7936..8025, 7951..8010, 7952..8026, 8126..8161, 8133..8174, 8133..8162, 8162..8197, 8189..8269, 8202..8270, 8217..8279, 8219..8278, 8274..8303, 8277..8306, 8278..8307, 8301..8330, 8302..8370, 8311..8337, 8351..8491, 8383..8478, 8384..8485		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50788	Strand	
Start	5611	End	8491
Name	OJ990924_17.0211.C27.o2.tc	Method	TBLASTX:Cress
Start	6036	End	7268
GI	none	Score	47
Exons	6036..6086, 6049..6195, 6065..6196, 7011..7268, 7025..7075, 7109..7213, 7119..7250		

Seq. No.	24411	Seq. ID	OJ990924_17.0211.C27
Gene No.	50788	Strand	
Start	5611	End	8491
Name	OJ990924_17.0211.C27.o1.tw	Method	TBLASTX:Wheat
Start	6613	End	7211
GI	none	Score	363
Exons	6613..6915, 6613..6921, 7005..7121, 7005..7088, 7006..7122, 7007..7123, 7089..7211		

Seq. No.	24412	Seq. ID	OJ990924_17.0211.C28
Gene No.	50789	Strand	-
Start	260	End	562
Name	OJ990924_17.0211.C28.o1.np	Method	AAT/NAP
Start	260	End	562
GI	4335768	Score	225
Exons	260..401, 486..562		
GI Descrip.	(AC006284) putative Golgi-associated membrane trafficking protein [Arabidopsis thaliana]		

Seq. No.	24412	Seq. ID	OJ990924_17.0211.C28
Gene No.	50790	Strand	-
Start	486	End	565
Name	OJ990924_17.0211.C28.o1.ts	Method	TBLASTX:Soybean
Start	234	End	562

GI	none	Score	148
Exons	234..410, 259..399, 293..403, 485..562		

Seq. No.	24412	Seq. ID	OJ990924_17.0211.C28
Gene No.	50790	Strand	-
Start	486	End	565
Name	OJ990924_17.0211.C28.o1.tc	Method	TBLASTX:Cress
Start	264	End	565
GI	none	Score	139
Exons	264..410, 293..403, 485..565, 486..515		

Seq. No.	24412	Seq. ID	OJ990924_17.0211.C28
Gene No.	50790	Strand	-
Start	486	End	565
Name	OJ990924_17.0211.C28.o1.tm	Method	TBLASTX:Maize
Start	264	End	562
GI	none	Score	180
Exons	264..410, 293..403, 485..562		

Seq. No.	24412	Seq. ID	OJ990924_17.0211.C28
Gene No.	50790	Strand	-
Start	486	End	565
Name	OJ990924_17.0211.C28.o1.gs	Method	GENSCAN
Start	486	End	559
GI	none	Score	.53
Exons	486..559		

Seq. No.	24413	Seq. ID	OJ990524_06.0301.C5
Gene No.	50791	Strand	-
Start	1	End	269
Name	OJ990524_06.0301.C5.o1.gp	Method	AAT/GAP
Start	1	End	269
GI	uC-osflcyp176f10b1	Score	466
Exons	1..269		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	24414	Seq. ID	OJ990524_06.0301.C8
Gene No.	50792	Strand	+
Start	58	End	219
Name	OJ990524_06.0301.C8.o1.gp	Method	AAT/GAP
Start	58	End	219
GI	2428185	Score	214
Exons	58..219		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	24415	Seq. ID	OJ990524_06.0301.C13
Gene No.	50793	Strand	+
Start	106	End	235
Name	OJ990524_06.0301.C13.o1.gp	Method	AAT/GAP
Start	106	End	235
GI	57581_1.R1084	Score	187
Exons	106..235		
GI Descrip.	'1785675/emb|CAA69780| 1.0e-23 (Y08501) orf107a [Arabidopsis thaliana]'		

Seq. No.	24416	Seq. ID	OJ990524_06.0301.C18
Gene No.	50794	Strand	-
Start	959	End	1342
Name	OJ990524_06.0301.C18.o1.gp	Method	AAT/GAP
Start	959	End	1342
GI	uC-osflcyp033a04b1	Score	697
Exons	959..1342		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	24417	Seq. ID	OJ990524_06.0301.C27
Gene No.	50795	Strand	-
Start	1	End	705
Name	OJ990524_06.0301.C27.o1.gp	Method	AAT/GAP
Start	1	End	705
GI	342_1.R1084	Score	1155
Exons	1..705		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	24417	Seq. ID	OJ990524_06.0301.C27
Gene No.	50795	Strand	-
Start	1	End	705
Name	OJ990524_06.0301.C27.o1.tw	Method	TBLASTX:Wheat
Start	56	End	324
GI	none	Score	189
Exons	56..235, 57..254, 64..240, 231..323, 235..324, 241..324		

Seq. No.	24417	Seq. ID	OJ990524_06.0301.C27
Gene No.	50795	Strand	-
Start	1	End	705
Name	OJ990524_06.0301.C27.o1.tm	Method	TBLASTX:Maize
Start	66	End	453
GI	none	Score	99
Exons	66..254, 68..241, 238..309, 238..348, 245..325, 364..453		

Seq. No.	24417	Seq. ID	OJ990524_06.0301.C27
Gene No.	50795	Strand	-
Start	1	End	705
Name	OJ990524_06.0301.C27.o1.tc	Method	TBLASTX:Cress
Start	113	End	475
GI	none	Score	74
Exons	113..241, 132..254, 238..453, 386..475		

Seq. No.	24417	Seq. ID	OJ990524_06.0301.C27
Gene No.	50795	Strand	-
Start	1	End	705
Name	OJ990524_06.0301.C27.o1.ts	Method	TBLASTX:Soybean
Start	197	End	622
GI	none	Score	66
Exons	197..235, 235..423, 238..462, 245..457, 451..546, 547..621, 557..622		

Seq. No.	24417	Seq. ID	OJ990524_06.0301.C27
Gene No.	50795	Strand	-
Start	1	End	705

Name	OJ990524_06.0301.C27.o2.tw	Method	TBLASTX:Wheat
Start	334	End	670
GI	none	Score	45
Exons	334..471, 395..457, 487..561, 491..526, 535..669, 563..670		

Seq. No.	24418	Seq. ID	OJ990524_06.0301.C34
Gene No.	50796	Strand	
Start	107	End	313
Name	OJ990524_06.0301.C34.o1.tm	Method	TBLASTX:Maize
Start	107	End	313
GI	none	Score	183
Exons	107..313		

Seq. No.	24418	Seq. ID	OJ990524_06.0301.C34
Gene No.	50797	Strand	
Start	248	End	681
Name	OJ990524_06.0301.C34.o1.tw	Method	TBLASTX:Wheat
Start	248	End	681
GI	none	Score	38
Exons	248..532, 255..302, 333..533, 534..680, 565..681		

Seq. No.	24418	Seq. ID	OJ990524_06.0301.C34
Gene No.	50798	Strand	
Start	681	End	890
Name	OJ990524_06.0301.C34.o2.tw	Method	TBLASTX:Wheat
Start	681	End	890
GI	none	Score	74
Exons	681..872, 735..890		

Seq. No.	24419	Seq. ID	OJ990524_06.0301.C43
Gene No.	50799	Strand	
Start	2	End	404
Name	OJ990524_06.0301.C43.o1.tw	Method	TBLASTX:Wheat
Start	2	End	404
GI	none	Score	75
Exons	2..79, 3..83, 6..80, 113..331, 153..335, 341..403, 354..404		

Seq. No.	24419	Seq. ID	OJ990524_06.0301.C43
Gene No.	50800	Strand	
Start	437	End	667
Name	OJ990524_06.0301.C43.o1.ts	Method	TBLASTX:Soybean
Start	437	End	667
GI	none	Score	54
Exons	437..667, 495..593		

Seq. No.	24420	Seq. ID	OJ990524_06.0301.C44
Gene No.	50801	Strand	+
Start	171	End	706
Name	OJ990524_06.0301.C44.o1.gp	Method	AAT/GAP
Start	171	End	706
GI	uC-osflcyp162a07a1	Score	755
Exons	171..327, 427..706		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	24420	Seq. ID	OJ990524_06.0301.C44
Gene No.	50802	Strand	+

Start	2567	End	3303
Name	OJ990524_06.0301.C44.o4.gp	Method	AAT/GAP
Start	2567	End	3303
GI	101153_1.R1084	Score	391
Exons	2567..2799, 3255..3303		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	24420	Seq. ID	OJ990524_06.0301.C44
Gene No.	50803	Strand	-
Start	1311	End	1585
Name	OJ990524_06.0301.C44.o1.tm	Method	TBLASTX:Maize
Start	25	End	353
GI	none	Score	42
Exons	25..327, 63..125, 90..353, 166..327		

Seq. No.	24420	Seq. ID	OJ990524_06.0301.C44
Gene No.	50803	Strand	-
Start	1311	End	1585
Name	OJ990524_06.0301.C44.o1.tw	Method	TBLASTX:Wheat
Start	234	End	590
GI	none	Score	76
Exons	234..590, 235..375, 412..582		

Seq. No.	24420	Seq. ID	OJ990524_06.0301.C44
Gene No.	50803	Strand	-
Start	1311	End	1585
Name	OJ990524_06.0301.C44.o2.gp	Method	AAT/GAP
Start	1311	End	1585
GI	61605_1.R1084	Score	465
Exons	1311..1585		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	24421	Seq. ID	OJ990524_06.0301.C45
Gene No.	50804	Strand	-
Start	1729	End	1788
Name	OJ990524_06.0301.C45.o1.gp	Method	AAT/GAP
Start	1729	End	1788
GI	uC-osflcyp162a07a1	Score	108
Exons	1729..1788		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	24422	Seq. ID	OJ990524_06.0301.C47
Gene No.	50805	Strand	
Start	85	End	569
Name	OJ990524_06.0301.C47.o1.tw	Method	TBLASTX:Wheat
Start	85	End	516
GI	none	Score	429
Exons	85..516, 135..485, 145..504, 328..414		

Seq. No.	24422	Seq. ID	OJ990524_06.0301.C47
Gene No.	50805	Strand	
Start	85	End	569
Name	OJ990524_06.0301.C47.o2.tm	Method	TBLASTX:Maize
Start	213	End	569

GI	none	Score	105
Exons	213..512, 213..521, 214..522, 519..569		
Seq. No.	24422	Seq. ID	OJ990524_06.0301.C47
Gene No.	50806	Strand	
Start	521	End	971
Name	OJ990524_06.0301.C47.o2.tw	Method	TBLASTX:Wheat
Start	521	End	857
GI	none	Score	346
Exons	521..607, 522..857, 641..856		
Seq. No.	24422	Seq. ID	OJ990524_06.0301.C47
Gene No.	50806	Strand	
Start	521	End	971
Name	OJ990524_06.0301.C47.o1.tm	Method	TBLASTX:Maize
Start	597	End	971
GI	none	Score	371
Exons	597..971, 618..932, 638..946		
Seq. No.	24422	Seq. ID	OJ990524_06.0301.C47
Gene No.	50806	Strand	
Start	521	End	971
Name	OJ990524_06.0301.C47.o1.ts	Method	TBLASTX:Soybean
Start	627	End	866
GI	none	Score	203
Exons	627..866, 650..856		
Seq. No.	24423	Seq. ID	OJ990524_06.0301.C48
Gene No.	50807	Strand	+
Start	84	End	224
Name	OJ990524_06.0301.C48.o1.gp	Method	AAT/GAP
Start	84	End	224
GI	none	Score	256
Exons	84..224		
Seq. No.	24424	Seq. ID	OJ990524_06.0301.C53
Gene No.	50808	Strand	
Start	760	End	1063
Name	OJ990524_06.0301.C53.o1.tw	Method	TBLASTX:Wheat
Start	760	End	1063
GI	none	Score	160
Exons	760..909, 761..922, 926..1063, 986..1060		
Seq. No.	24425	Seq. ID	OJ990524_06.0301.C56
Gene No.	50809	Strand	
Start	6	End	464
Name	OJ990524_06.0301.C56.o1.tw	Method	TBLASTX:Wheat
Start	6	End	464
GI	none	Score	448
Exons	6..464, 19..138, 38..463		
Seq. No.	24425	Seq. ID	OJ990524_06.0301.C56
Gene No.	50809	Strand	
Start	6	End	464
Name	OJ990524_06.0301.C56.o1.tm	Method	TBLASTX:Maize
Start	107	End	421
GI	none	Score	131

Exons	107..421, 135..410		
Seq. No.	24426	Seq. ID	OJ990524_06.0301.C58
Gene No.	50810	Strand	
Start	19	End	2286
Name	OJ990524_06.0301.C58.o1.ts	Method	TBLASTX:Soybean
Start	19	End	2286
GI	none	Score	63
Exons	19..129, 337..453, 582..806, 769..876, 796..948, 847..1020, 904..1254, 1005..1253, 1048..1083, 1174..1260, 1180..1248, 1288..1317, 1303..1398, 1351..1449, 1362..1439, 1495..1545, 1534..1608, 1552..1617, 1618..1896, 1630..1884, 1636..1896, 1636..1866, 1645..1890, 1936..2046, 2083..2286, 2100..2267, 2149..2286, 2164..2265		
Seq. No.	24426	Seq. ID	OJ990524_06.0301.C58
Gene No.	50810	Strand	
Start	19	End	2286
Name	OJ990524_06.0301.C58.o1.tc	Method	TBLASTX:Cress
Start	25	End	2286
GI	none	Score	72
Exons	25..129, 28..135, 37..126, 325..534, 325..570, 325..702, 358..570, 642..821, 652..1029, 757..1020, 760..1020, 760..1020, 760..948, 760..1020, 760..1020, 769..1020, 832..1020, 997..1083, 1036..1083, 1174..1251, 1174..1248, 1276..1311, 1363..1398, 1510..1536, 1534..1617, 1555..1608, 1561..1608, 1564..1608, 1618..1890, 1618..1896, 1618..1896, 1618..1896, 1627..1896, 1636..1827, 1645..1896, 2062..2286, 2113..2274, 2140..2268, 2140..2271, 2158..2286, 2160..2279		
Seq. No.	24426	Seq. ID	OJ990524_06.0301.C58
Gene No.	50810	Strand	
Start	19	End	2286
Name	OJ990524_06.0301.C58.o1.tm	Method	TBLASTX:Maize
Start	28	End	2271
GI	none	Score	70
Exons	28..135, 304..456, 760..888, 892..1083, 1174..1251, 1435..1545, 1437..1556, 1551..1895, 1552..1896, 1575..1919, 1903..1989, 1913..1969, 2140..2271		
Seq. No.	24427	Seq. ID	OJ990524_06.0301.C62
Gene No.	50811	Strand	
Start	49	End	895
Name	OJ990524_06.0301.C62.o1.tw	Method	TBLASTX:Wheat
Start	49	End	895
GI	none	Score	51
Exons	49..135, 53..109, 60..131, 124..204, 152..205, 209..289, 211..327, 218..358, 229..357, 305..400, 337..396, 403..447, 404..448, 407..448, 442..894, 458..895		
Seq. No.	24428	Seq. ID	OJ990524_06.0301.C63
Gene No.	50812	Strand	-
Start	1	End	1787
Name	OJ990524_06.0301.C63.o1.gp	Method	AAT/GAP
Start	1	End	1787
GI	342_1.R1084	Score	2815
Exons	1..1787		

GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No.	24428	Seq. ID	OJ990524_06.0301.C63
Gene No.	50812	Strand	-
Start	1	End	1787
Name	OJ990524_06.0301.C63.o3.tw	Method	TBLASTX:Wheat
Start	25	End	304
GI	none	Score	113
Exons	25..174, 33..182, 34..186, 41..187, 161..304, 184..303		

Seq. No.	24428	Seq. ID	OJ990524_06.0301.C63
Gene No.	50812	Strand	-
Start	1	End	1787
Name	OJ990524_06.0301.C63.o2.ts	Method	TBLASTX:Soybean
Start	295	End	537
GI	none	Score	58
Exons	295..537, 350..451		

Seq. No.	24428	Seq. ID	OJ990524_06.0301.C63
Gene No.	50812	Strand	-
Start	1	End	1787
Name	OJ990524_06.0301.C63.o1.tm	Method	TBLASTX:Maize
Start	367	End	825
GI	none	Score	77
Exons	367..561, 571..825, 571..813		

Seq. No.	24428	Seq. ID	OJ990524_06.0301.C63
Gene No.	50812	Strand	-
Start	1	End	1787
Name	OJ990524_06.0301.C63.o1.tw	Method	TBLASTX:Wheat
Start	401	End	870
GI	none	Score	148
Exons	401..607, 401..589, 403..630, 602..703, 605..700, 610..705, 610..708, 712..816, 716..805, 817..870, 818..862		

Seq. No.	24428	Seq. ID	OJ990524_06.0301.C63
Gene No.	50812	Strand	-
Start	1	End	1787
Name	OJ990524_06.0301.C63.o1.tc	Method	TBLASTX:Cress
Start	676	End	1006
GI	none	Score	70
Exons	676..999, 677..814, 854..1006		

Seq. No.	24428	Seq. ID	OJ990524_06.0301.C63
Gene No.	50812	Strand	-
Start	1	End	1787
Name	OJ990524_06.0301.C63.o1.ts	Method	TBLASTX:Soybean
Start	739	End	1168
GI	none	Score	113
Exons	739..1035, 757..981, 1030..1092, 1085..1168, 1093..1167		

Seq. No.	24428	Seq. ID	OJ990524_06.0301.C63
Gene No.	50812	Strand	-
Start	1	End	1787
Name	OJ990524_06.0301.C63.o2.tw	Method	TBLASTX:Wheat
Start	1089	End	1460

GI	none	Score	177
Exons	1089..1331, 1097..1339, 1099..1350, 1100..1342, 1333..1434, 1347..1460		

Seq. No.	24429	Seq. ID	OJ990524_06.0301.C69
Gene No.	50813	Strand	
Start	1	End	509
Name	OJ990524_06.0301.C69.o1.ts	Method	TBLASTX:Soybean
Start	1	End	509
GI	none	Score	60
Exons	1..69, 3..296, 24..224, 39..134, 97..285, 168..218, 342..428, 474..509		

Seq. No.	24430	Seq. ID	OJ990524_06.0301.C77
Gene No.	50814	Strand	
Start	112	End	561
Name	OJ990524_06.0301.C77.o1.tw	Method	TBLASTX:Wheat
Start	112	End	477
GI	none	Score	202
Exons	112..477		

Seq. No.	24430	Seq. ID	OJ990524_06.0301.C77
Gene No.	50814	Strand	
Start	112	End	561
Name	OJ990524_06.0301.C77.o1.ts	Method	TBLASTX:Soybean
Start	124	End	561
GI	none	Score	175
Exons	124..447, 484..561		

Seq. No.	24431	Seq. ID	OJ990524_06.0301.C79
Gene No.	50815	Strand	-
Start	1761	End	2247
Name	OJ990524_06.0301.C79.o1.gp	Method	AAT/GAP
Start	1761	End	2247
GI	uC-osflM202095f12b1	Score	930
Exons	1761..2247		
GI Descrip.	'4454031/emb|CAA23028.1| 1.0e-10 (AL035394) putative protein [Arabidopsis thaliana]'		

Seq. No.	24431	Seq. ID	OJ990524_06.0301.C79
Gene No.	50815	Strand	-
Start	1761	End	2247
Name	OJ990524_06.0301.C79.o1.tm	Method	TBLASTX:Maize
Start	1806	End	2022
GI	none	Score	286
Exons	1806..2015, 1806..2021, 1807..2022, 1819..2022		

Seq. No.	24432	Seq. ID	OJ990524_06.0301.C80
Gene No.	50816	Strand	
Start	544	End	692
Name	OJ990524_06.0301.C80.o1.tm	Method	TBLASTX:Maize
Start	544	End	692
GI	none	Score	187
Exons	544..603, 547..687, 555..689, 555..692		

Seq. No.	24433	Seq. ID	OJ990524_06.0301.C81
Gene No.	50817	Strand	

Start	1	End	140
Name	OJ990524_06.0301.C81.o1.tm	Method	TBLASTX:Maize
Start	1	End	140
GI	none	Score	196
Exons	1..135, 3..140		

Seq. No.	24433	Seq. ID	OJ990524_06.0301.C81
Gene No.	50818	Strand	
Start	2957	End	3307
Name	OJ990524_06.0301.C81.o1.tw	Method	TBLASTX:Wheat
Start	2957	End	3307
GI	none	Score	206
Exons	2957..3307		

Seq. No.	24434	Seq. ID	OJ990524_06.0301.C82
Gene No.	50819	Strand	
Start	1	End	727
Name	OJ990524_06.0301.C82.o1.tw	Method	TBLASTX:Wheat
Start	1	End	421
GI	none	Score	537
Exons	1..42, 2..421, 11..397, 106..411		

Seq. No.	24434	Seq. ID	OJ990524_06.0301.C82
Gene No.	50819	Strand	
Start	1	End	727
Name	OJ990524_06.0301.C82.o1.tm	Method	TBLASTX:Maize
Start	155	End	703
GI	none	Score	273
Exons	155..568, 298..567, 560..703		

Seq. No.	24434	Seq. ID	OJ990524_06.0301.C82
Gene No.	50819	Strand	
Start	1	End	727
Name	OJ990524_06.0301.C82.o1.ts	Method	TBLASTX:Soybean
Start	281	End	616
GI	none	Score	60
Exons	281..346, 345..545, 346..615, 347..616		

Seq. No.	24434	Seq. ID	OJ990524_06.0301.C82
Gene No.	50819	Strand	
Start	1	End	727
Name	OJ990524_06.0301.C82.o2.tw	Method	TBLASTX:Wheat
Start	423	End	727
GI	none	Score	83
Exons	423..656, 427..612, 428..727, 673..726		

Seq. No.	24435	Seq. ID	OJ990524_06.0301.C85
Gene No.	50820	Strand	
Start	1295	End	1729
Name	OJ990524_06.0301.C85.o6.tm	Method	TBLASTX:Maize
Start	1295	End	1636
GI	none	Score	50
Exons	1295..1369, 1296..1370, 1297..1374, 1384..1449, 1394..1636, 1399..1635		

Seq. No.	24435	Seq. ID	OJ990524_06.0301.C85
Gene No.	50820	Strand	

Start	1295	End	1729
Name	OJ990524_06.0301.C85.o5.tw	Method	TBLASTX:Wheat
Start	1418	End	1729
GI	none	Score	201
Exons	1418..1729, 1504..1629		

Seq. No.	24435	Seq. ID	OJ990524_06.0301.C85
Gene No.	50821	Strand	
Start	1637	End	2905
Name	OJ990524_06.0301.C85.o4.tm	Method	TBLASTX:Maize
Start	1637	End	2032
GI	none	Score	141
Exons	1637..1756, 1645..1752, 1756..2031, 1760..2032		

Seq. No.	24435	Seq. ID	OJ990524_06.0301.C85
Gene No.	50821	Strand	
Start	1637	End	2905
Name	OJ990524_06.0301.C85.o1.tw	Method	TBLASTX:Wheat
Start	1796	End	2368
GI	none	Score	282
Exons	1796..2044, 1804..2028, 1977..2051, 2055..2099, 2057..2080, 2080..2160, 2084..2368, 2096..2365, 2242..2367		

Seq. No.	24435	Seq. ID	OJ990524_06.0301.C85
Gene No.	50821	Strand	
Start	1637	End	2905
Name	OJ990524_06.0301.C85.o2.tm	Method	TBLASTX:Maize
Start	2033	End	2905
GI	none	Score	103
Exons	2033..2104, 2038..2106, 2105..2905, 2153..2773, 2239..2778		

Seq. No.	24435	Seq. ID	OJ990524_06.0301.C85
Gene No.	50821	Strand	
Start	1637	End	2905
Name	OJ990524_06.0301.C85.o3.ts	Method	TBLASTX:Soybean
Start	2236	End	2674
GI	none	Score	302
Exons	2236..2403, 2240..2674		

Seq. No.	24435	Seq. ID	OJ990524_06.0301.C85
Gene No.	50821	Strand	
Start	1637	End	2905
Name	OJ990524_06.0301.C85.o1.tc	Method	TBLASTX:Cress
Start	2249	End	2671
GI	none	Score	229
Exons	2249..2671		

Seq. No.	24435	Seq. ID	OJ990524_06.0301.C85
Gene No.	50821	Strand	
Start	1637	End	2905
Name	OJ990524_06.0301.C85.o3.tw	Method	TBLASTX:Wheat
Start	2456	End	2800
GI	none	Score	127
Exons	2456..2545, 2456..2542, 2531..2695, 2534..2698, 2545..2709, 2720..2800		

Seq. No.	24435	Seq. ID	OJ990524_06.0301.C85

Gene No.	50822	Strand	
Start	2912	End	3764
Name	OJ990524_06.0301.C85.o5.tm	Method	TBLASTX:Maize
Start	2912	End	3231
GI	none	Score	445
Exons	2912..3229, 2941..3231		

Seq. No.	24435	Seq. ID	OJ990524_06.0301.C85
Gene No.	50822	Strand	
Start	2912	End	3764
Name	OJ990524_06.0301.C85.o1.ts	Method	TBLASTX:Soybean
Start	2939	End	3526
GI	5509260	Score	206
Exons	2939..3154, 3029..3169, 3163..3354, 3164..3355, 3365..3526, 3372..3524		
GI Descrip.	-		

Seq. No.	24435	Seq. ID	OJ990524_06.0301.C85
Gene No.	50822	Strand	
Start	2912	End	3764
Name	OJ990524_06.0301.C85.o2.tw	Method	TBLASTX:Wheat
Start	3080	End	3518
GI	none	Score	81
Exons	3080..3154, 3185..3343, 3187..3330, 3261..3332, 3365..3499, 3372..3512, 3390..3518		

Seq. No.	24435	Seq. ID	OJ990524_06.0301.C85
Gene No.	50822	Strand	
Start	2912	End	3764
Name	OJ990524_06.0301.C85.o3.tm	Method	TBLASTX:Maize
Start	3365	End	3764
GI	none	Score	546
Exons	3365..3763, 3372..3764		

Seq. No.	24435	Seq. ID	OJ990524_06.0301.C85
Gene No.	50823	Strand	
Start	3696	End	4582
Name	OJ990524_06.0301.C85.o4.tw	Method	TBLASTX:Wheat
Start	3696	End	4112
GI	none	Score	86
Exons	3696..3848, 3876..4112		

Seq. No.	24435	Seq. ID	OJ990524_06.0301.C85
Gene No.	50823	Strand	
Start	3696	End	4582
Name	OJ990524_06.0301.C85.o1.tm	Method	TBLASTX:Maize
Start	3879	End	4582
GI	none	Score	971
Exons	3879..4580, 3887..4570, 4227..4571, 4370..4582, 4471..4581		

Seq. No.	24435	Seq. ID	OJ990524_06.0301.C85
Gene No.	50823	Strand	
Start	3696	End	4582
Name	OJ990524_06.0301.C85.o2.ts	Method	TBLASTX:Soybean
Start	3897	End	4538
GI	none	Score	305
Exons	3897..4286, 3909..4280, 4121..4285, 4305..4538		

Seq. No.	24435	Seq. ID	OJ990524_06.0301.C85
Gene No.	50823	Strand	
Start	3696	End	4582
Name	OJ990524_06.0301.C85.o2.tc	Method	TBLASTX:Cress
Start	4080	End	4535
GI	none	Score	65
Exons	4080..4166, 4170..4304, 4290..4535, 4307..4486		

Seq. No.	24435	Seq. ID	OJ990524_06.0301.C85
Gene No.	50823	Strand	
Start	3696	End	4582
Name	OJ990524_06.0301.C85.o6.tw	Method	TBLASTX:Wheat
Start	4122	End	4502
GI	none	Score	108
Exons	4122..4295, 4190..4270, 4314..4502		

Seq. No.	24436	Seq. ID	OJ990524_06.0301.C87
Gene No.	50824	Strand	
Start	2929	End	3454
Name	OJ990524_06.0301.C87.o1.tc	Method	TBLASTX:Cress
Start	2929	End	3454
GI	none	Score	51
Exons	2929..2979, 2986..3063, 3263..3454, 3334..3450		

Seq. No.	24436	Seq. ID	OJ990524_06.0301.C87
Gene No.	50824	Strand	
Start	2929	End	3454
Name	OJ990524_06.0301.C87.o1.ts	Method	TBLASTX:Soybean
Start	3263	End	3444
GI	none	Score	209
Exons	3263..3442, 3268..3444		

Seq. No.	24436	Seq. ID	OJ990524_06.0301.C87
Gene No.	50825	Strand	
Start	3633	End	3850
Name	OJ990524_06.0301.C87.o1.tm	Method	TBLASTX:Maize
Start	3633	End	3850
GI	none	Score	168
Exons	3633..3776, 3682..3774, 3782..3850, 3784..3846		

Seq. No.	24436	Seq. ID	OJ990524_06.0301.C87
Gene No.	50825	Strand	
Start	3633	End	3850
Name	OJ990524_06.0301.C87.o2.ts	Method	TBLASTX:Soybean
Start	3633	End	3850
GI	none	Score	129
Exons	3633..3776, 3700..3777, 3700..3774, 3704..3775, 3782..3850, 3784..3846		

Seq. No.	24437	Seq. ID	OJ990524_06.0301.C92
Gene No.	50826	Strand	
Start	2712	End	3200
Name	OJ990524_06.0301.C92.o1.ts	Method	TBLASTX:Soybean
Start	2712	End	3200
GI	none	Score	43
Exons	2712..2801, 2743..2802, 2811..3200, 2812..3198		

Seq. No.	24437	Seq. ID	OJ990524_06.0301.C92
Gene No.	50826	Strand	
Start	2712	End	3200
Name	OJ990524_06.0301.C92.o1.tw	Method	TBLASTX:Wheat
Start	2808	End	3194
GI	none	Score	176
Exons	2808..3188, 2809..3132, 2838..3194		

Seq. No.	24437	Seq. ID	OJ990524_06.0301.C92
Gene No.	50827	Strand	
Start	3201	End	3525
Name	OJ990524_06.0301.C92.o2.ts	Method	TBLASTX:Soybean
Start	3201	End	3525
GI	none	Score	182
Exons	3201..3485, 3202..3486, 3483..3524, 3484..3525		

Seq. No.	24437	Seq. ID	OJ990524_06.0301.C92
Gene No.	50827	Strand	
Start	3201	End	3525
Name	OJ990524_06.0301.C92.o3.tw	Method	TBLASTX:Wheat
Start	3213	End	3507
GI	none	Score	142
Exons	3213..3506, 3289..3507		

Seq. No.	24437	Seq. ID	OJ990524_06.0301.C92
Gene No.	50828	Strand	
Start	3507	End	3824
Name	OJ990524_06.0301.C92.o2.tw	Method	TBLASTX:Wheat
Start	3507	End	3824
GI	none	Score	88
Exons	3507..3824, 3508..3822		

Seq. No.	24437	Seq. ID	OJ990524_06.0301.C92
Gene No.	50828	Strand	
Start	3507	End	3824
Name	OJ990524_06.0301.C92.o1.tc	Method	TBLASTX:Cress
Start	3546	End	3812
GI	none	Score	67
Exons	3546..3803, 3546..3812		

Seq. No.	24438	Seq. ID	OJ990524_06.0301.C93
Gene No.	50829	Strand	
Start	1	End	247
Name	OJ990524_06.0301.C93.o5.tw	Method	TBLASTX:Wheat
Start	1	End	218
GI	none	Score	163
Exons	1..213, 3..218		

Seq. No.	24438	Seq. ID	OJ990524_06.0301.C93
Gene No.	50829	Strand	
Start	1	End	247
Name	OJ990524_06.0301.C93.o3.ts	Method	TBLASTX:Soybean
Start	3	End	247
GI	none	Score	157
Exons	3..245, 10..219, 119..247		

Seq. No.	24438	Seq. ID	OJ990524_06.0301.C93
Gene No.	50830	Strand	
Start	240	End	2057
Name	OJ990524_06.0301.C93.o1.tc	Method	TBLASTX:Cress
Start	240	End	623
GI	none	Score	76
Exons	240..542, 241..390, 546..623		

Seq. No.	24438	Seq. ID	OJ990524_06.0301.C93
Gene No.	50830	Strand	
Start	240	End	2057
Name	OJ990524_06.0301.C93.o4.tw	Method	TBLASTX:Wheat
Start	336	End	806
GI	none	Score	55
Exons	336..539, 519..614, 606..806,	631..714,	681..803

Seq. No.	24438	Seq. ID	OJ990524_06.0301.C93
Gene No.	50830	Strand	
Start	240	End	2057
Name	OJ990524_06.0301.C93.o4.ts	Method	TBLASTX:Soybean
Start	666	End	800
GI	none	Score	96
Exons	666..800, 684..800		

Seq. No.	24438	Seq. ID	OJ990524_06.0301.C93
Gene No.	50830	Strand	
Start	240	End	2057
Name	OJ990524_06.0301.C93.o3.tm	Method	TBLASTX:Maize
Start	675	End	953
GI	none	Score	63
Exons	675..953, 781..915		

Seq. No.	24438	Seq. ID	OJ990524_06.0301.C93
Gene No.	50830	Strand	
Start	240	End	2057
Name	OJ990524_06.0301.C93.o3.tw	Method	TBLASTX:Wheat
Start	819	End	1125
GI	none	Score	202
Exons	819..1121, 820..1125		

Seq. No.	24438	Seq. ID	OJ990524_06.0301.C93
Gene No.	50830	Strand	
Start	240	End	2057
Name	OJ990524_06.0301.C93.o2.ts	Method	TBLASTX:Soybean
Start	910	End	1265
GI	none	Score	139
Exons	910..1188, 912..1199, 1200..1265		

Seq. No.	24438	Seq. ID	OJ990524_06.0301.C93
Gene No.	50830	Strand	
Start	240	End	2057
Name	OJ990524_06.0301.C93.o1.tm	Method	TBLASTX:Maize
Start	984	End	1391
GI	none	Score	258
Exons	984..1391		

Seq. No.	24438	Seq. ID	OJ990524_06.0301.C93

Gene No.	50830	Strand	
Start	240	End	2057
Name	OJ990524_06.0301.C93.o1.tw	Method	TBLASTX:Wheat
Start	1125	End	1556
GI	none	Score	206
Exons	1125..1556, 1149..1544		

Seq. No.	24438	Seq. ID	OJ990524_06.0301.C93
Gene No.	50830	Strand	
Start	240	End	2057
Name	OJ990524_06.0301.C93.o2.tm	Method	TBLASTX:Maize
Start	1407	End	1769
GI	none	Score	208
Exons	1407..1769		

Seq. No.	24438	Seq. ID	OJ990524_06.0301.C93
Gene No.	50830	Strand	
Start	240	End	2057
Name	OJ990524_06.0301.C93.o1.ts	Method	TBLASTX:Soybean
Start	1632	End	2057
GI	none	Score	149
Exons	1632..2057, 1783..2031		

Seq. No.	24438	Seq. ID	OJ990524_06.0301.C93
Gene No.	50830	Strand	
Start	240	End	2057
Name	OJ990524_06.0301.C93.o2.tw	Method	TBLASTX:Wheat
Start	1653	End	2057
GI	none	Score	164
Exons	1653..2057, 1771..2040		

Seq. No.	24438	Seq. ID	OJ990524_06.0301.C93
Gene No.	50831	Strand	
Start	3230	End	3583
Name	OJ990524_06.0301.C93.o6.tw	Method	TBLASTX:Wheat
Start	3230	End	3583
GI	none	Score	202
Exons	3230..3583		

Seq. No.	24439	Seq. ID	OJ990524_06.0301.C94
Gene No.	50832	Strand	+
Start	4904	End	5629
Name	OJ990524_06.0301.C94.o9.tw	Method	TBLASTX:Wheat
Start	2818	End	3018
GI	none	Score	193
Exons	2818..3015, 2820..3017, 2926..3018		

Seq. No.	24439	Seq. ID	OJ990524_06.0301.C94
Gene No.	50832	Strand	+
Start	4904	End	5629
Name	OJ990524_06.0301.C94.o4.tw	Method	TBLASTX:Wheat
Start	3051	End	3402
GI	none	Score	288
Exons	3051..3245, 3052..3402		

Seq. No.	24439	Seq. ID	OJ990524_06.0301.C94
Gene No.	50832	Strand	+

Start	4904	End	5629
Name	OJ990524_06.0301.C94.o4.tm	Method	TBLASTX:Maize
Start	3052	End	3357
GI	none	Score	232
Exons	3052..3357, 3066..3230		

Seq. No.	24439	Seq. ID	OJ990524_06.0301.C94
Gene No.	50832	Strand	+
Start	4904	End	5629
Name	OJ990524_06.0301.C94.o7.tw	Method	TBLASTX:Wheat
Start	3759	End	4179
GI	none	Score	148
Exons	3759..3902, 3760..3969, 3994..4179, 4014..4109		

Seq. No.	24439	Seq. ID	OJ990524_06.0301.C94
Gene No.	50832	Strand	+
Start	4904	End	5629
Name	OJ990524_06.0301.C94.o2.tw	Method	TBLASTX:Wheat
Start	4296	End	4779
GI	none	Score	550
Exons	4296..4736, 4297..4779, 4414..4776		

Seq. No.	24439	Seq. ID	OJ990524_06.0301.C94
Gene No.	50832	Strand	+
Start	4904	End	5629
Name	OJ990524_06.0301.C94.o2.ts	Method	TBLASTX:Soybean
Start	4333	End	4647
GI	none	Score	181
Exons	4333..4647		

Seq. No.	24439	Seq. ID	OJ990524_06.0301.C94
Gene No.	50832	Strand	+
Start	4904	End	5629
Name	OJ990524_06.0301.C94.o3.tm	Method	TBLASTX:Maize
Start	4366	End	4833
GI	none	Score	381
Exons	4366..4833, 4456..4800		

Seq. No.	24439	Seq. ID	OJ990524_06.0301.C94
Gene No.	50832	Strand	+
Start	4904	End	5629
Name	OJ990524_06.0301.C94.o1.ts	Method	TBLASTX:Soybean
Start	4720	End	5118
GI	none	Score	57
Exons	4720..4752, 4722..4751, 4750..5058, 4756..5118, 5060..5104		

Seq. No.	24439	Seq. ID	OJ990524_06.0301.C94
Gene No.	50832	Strand	+
Start	4904	End	5629
Name	OJ990524_06.0301.C94.o6.tw	Method	TBLASTX:Wheat
Start	4828	End	5105
GI	none	Score	256
Exons	4828..5082, 4828..5061, 4839..5069, 4982..5077, 5019..5105		

Seq. No.	24439	Seq. ID	OJ990524_06.0301.C94
Gene No.	50832	Strand	+
Start	4904	End	5629

Name	OJ990524_06.0301.C94.o5.tm	Method	TBLASTX:Maize
Start	4849	End	5192
GI	none	Score	171
Exons	4849..5112, 4983..5063, 5091..5192		

Seq. No.	24439	Seq. ID	OJ990524_06.0301.C94
Gene No.	50832	Strand	+
Start	4904	End	5629
Name	OJ990524_06.0301.C94.o1.gp	Method	AAT/GAP
Start	4904	End	5523
GI	3548944	Score	980
Exons	4904..5523		
GI Descrip.	4512237/dbj|BAA75235.1| 2.0e-89 (AB014746) polyprotein [Hordeum vulgare]		

Seq. No.	24439	Seq. ID	OJ990524_06.0301.C94
Gene No.	50832	Strand	+
Start	4904	End	5629
Name	OJ990524_06.0301.C94.o1.tw	Method	TBLASTX:Wheat
Start	5127	End	5629
GI	none	Score	245
Exons	5127..5327, 5159..5359, 5185..5328, 5327..5629, 5327..5551, 5329..5595		

Seq. No.	24439	Seq. ID	OJ990524_06.0301.C94
Gene No.	50832	Strand	+
Start	4904	End	5629
Name	OJ990524_06.0301.C94.o2.tm	Method	TBLASTX:Maize
Start	5198	End	5551
GI	none	Score	177
Exons	5198..5329, 5199..5327, 5327..5551, 5329..5547		

Seq. No.	24439	Seq. ID	OJ990524_06.0301.C94
Gene No.	50833	Strand	
Start	5630	End	5851
Name	OJ990524_06.0301.C94.o8.tw	Method	TBLASTX:Wheat
Start	5630	End	5851
GI	none	Score	208
Exons	5630..5851, 5638..5811, 5651..5848		

Seq. No.	24439	Seq. ID	OJ990524_06.0301.C94
Gene No.	50834	Strand	
Start	5854	End	6539
Name	OJ990524_06.0301.C94.o3.tw	Method	TBLASTX:Wheat
Start	5854	End	6226
GI	none	Score	53
Exons	5854..5991, 5854..6225, 5855..6226		

Seq. No.	24439	Seq. ID	OJ990524_06.0301.C94
Gene No.	50834	Strand	
Start	5854	End	6539
Name	OJ990524_06.0301.C94.o1.tm	Method	TBLASTX:Maize
Start	5855	End	6379
GI	none	Score	122
Exons	5855..5941, 5863..5934, 5939..6379, 5941..6363		

Seq. No.	24439	Seq. ID	OJ990524_06.0301.C94

Gene No.	50834	Strand	
Start	5854	End	6539
Name	OJ990524_06.0301.C94.o5.tw	Method	TBLASTX:Wheat
Start	6227	End	6539
GI	none	Score	195
Exons	6227..6403, 6230..6364, 6399..6539		

Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50835	Strand	+
Start	358	End	739
Name	OJ990524_06.0301.C97.o1.gp	Method	AAT/GAP
Start	358	End	739
GI	uC-osflcyp033a04b1	Score	663
Exons	358..739		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50836	Strand	+
Start	8220	End	8919
Name	OJ990524_06.0301.C97.o5.gp	Method	AAT/GAP
Start	8220	End	8919
GI	101153_1.R1084	Score	600
Exons	8220..8409, 8727..8919		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50837	Strand	+
Start	15244	End	15765
Name	OJ990524_06.0301.C97.o7.gp	Method	AAT/GAP
Start	15244	End	15765
GI	LIB3434-038-P1-K1-F1	Score	780
Exons	15244..15765		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50838	Strand	-
Start	4897	End	5570
Name	OJ990524_06.0301.C97.o3.gp	Method	AAT/GAP
Start	4897	End	5570
GI	LIB3475-004-P1-K2-A5	Score	417
Exons	4897..5060, 5477..5570		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50839	Strand	-
Start	6201	End	6563
Name	OJ990524_06.0301.C97.o4.gp	Method	AAT/GAP
Start	6201	End	6563
GI	uC-osflcyp162a07a1	Score	421
Exons	6201..6303, 6403..6563		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50840	Strand	-
Start	9416	End	9671
Name	OJ990524_06.0301.C97.o7.tw	Method	TBLASTX:Wheat
Start	4212	End	6644
GI	none	Score	195
Exons	4212..4409, 4216..4515, 4243..4410, 6376..6573, 6378..6644, 6404..6574		

Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50840	Strand	-
Start	9416	End	9671
Name	OJ990524_06.0301.C97.o6.tm	Method	TBLASTX:Maize
Start	4216	End	6644
GI	none	Score	155
Exons	4216..4515, 6384..6644, 6404..6568		

Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50840	Strand	-
Start	9416	End	9671
Name	OJ990524_06.0301.C97.o6.gp	Method	AAT/GAP
Start	9416	End	9671
GI	61605_3.R1084	Score	437
Exons	9416..9671		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50841	Strand	
Start	9671	End	10045
Name	OJ990524_06.0301.C97.o7.tm	Method	TBLASTX:Maize
Start	9671	End	9985
GI	none	Score	206
Exons	9671..9985, 9709..9810		

Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50841	Strand	
Start	9671	End	10045
Name	OJ990524_06.0301.C97.o8.tw	Method	TBLASTX:Wheat
Start	9671	End	10045
GI	none	Score	131
Exons	9671..9889, 9685..9789, 9720..9821, 9923..10045, 9923..10039		

Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50842	Strand	
Start	10120	End	10282
Name	OJ990524_06.0301.C97.o8.tm	Method	TBLASTX:Maize
Start	10120	End	10282
GI	none	Score	190
Exons	10120..10281, 10121..10282		

Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50843	Strand	
Start	10217	End	11116
Name	OJ990524_06.0301.C97.o4.tw	Method	TBLASTX:Wheat
Start	10217	End	10699
GI	none	Score	524

Exons	10217..10699, 10228..10524, 10337..10666, 10552..10695		
Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50843	Strand	
Start	10217	End	11116
Name	OJ990524_06.0301.C97.o3.tm	Method	TBLASTX:Maize
Start	10286	End	10753
GI	none	Score	385
Exons	10286..10753		
Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50843	Strand	
Start	10217	End	11116
Name	OJ990524_06.0301.C97.o1.ts	Method	TBLASTX:Soybean
Start	10640	End	11035
GI	none	Score	48
Exons	10640..10672, 10642..10671, 10670..11005, 10676..11035, 10747..11034		
Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50843	Strand	
Start	10217	End	11116
Name	OJ990524_06.0301.C97.o5.tw	Method	TBLASTX:Wheat
Start	10748	End	11050
GI	none	Score	374
Exons	10748..11050, 10748..10984, 10750..11034		
Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50843	Strand	
Start	10217	End	11116
Name	OJ990524_06.0301.C97.o5.tm	Method	TBLASTX:Maize
Start	10769	End	11116
GI	none	Score	308
Exons	10769..11116, 10771..11115		
Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50844	Strand	
Start	11051	End	11476
Name	OJ990524_06.0301.C97.o3.tw	Method	TBLASTX:Wheat
Start	11051	End	11476
GI	none	Score	569
Exons	11051..11476, 11059..11475		
Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50844	Strand	
Start	11051	End	11476
Name	OJ990524_06.0301.C97.o3.ts	Method	TBLASTX:Soybean
Start	11057	End	11302
GI	none	Score	194
Exons	11057..11302		
Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50844	Strand	
Start	11051	End	11476
Name	OJ990524_06.0301.C97.o2.tm	Method	TBLASTX:Maize
Start	11123	End	11476
GI	none	Score	449

Exons	11123..11476, 11125..11475		
Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50845	Strand	
Start	11493	End	13053
Name	OJ990524_06.0301.C97.o2.tw	Method	TBLASTX:Wheat
Start	11493	End	12033
GI	none	Score	601
Exons	11493..12029, 11515..12033		
Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50845	Strand	
Start	11493	End	13053
Name	OJ990524_06.0301.C97.o2.ts	Method	TBLASTX:Soybean
Start	11841	End	12087
GI	none	Score	224
Exons	11841..12086, 11842..12087		
Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50845	Strand	
Start	11493	End	13053
Name	OJ990524_06.0301.C97.o4.tm	Method	TBLASTX:Maize
Start	11889	End	12180
GI	none	Score	330
Exons	11889..12176, 11890..12180		
Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50845	Strand	
Start	11493	End	13053
Name	OJ990524_06.0301.C97.o1.tw	Method	TBLASTX:Wheat
Start	12064	End	12675
GI	none	Score	665
Exons	12064..12675, 12075..12674		
Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50845	Strand	
Start	11493	End	13053
Name	OJ990524_06.0301.C97.o1.tm	Method	TBLASTX:Maize
Start	12232	End	12816
GI	none	Score	214
Exons	12232..12390, 12234..12386, 12247..12387, 12376..12528, 12387..12815, 12388..12816		
Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50845	Strand	
Start	11493	End	13053
Name	OJ990524_06.0301.C97.o6.tw	Method	TBLASTX:Wheat
Start	12679	End	13008
GI	none	Score	360
Exons	12679..13008, 12690..12899		
Seq. No.	24440	Seq. ID	OJ990524_06.0301.C97
Gene No.	50845	Strand	
Start	11493	End	13053
Name	OJ990524_06.0301.C97.o9.tm	Method	TBLASTX:Maize
Start	12816	End	13053
GI	none	Score	183

Exons	12816..12944, 12817..13053		
Seq. No.	24441	Seq. ID	OJ990524_06.0301.C98
Gene No.	50846	Strand	+
Start	587	End	758
Name	OJ990524_06.0301.C98.o1.gp	Method	AAT/GAP
Start	587	End	758
GI	LIB3477-003-P1-K1-E9	Score	114
Exons	587..658, 731..758		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	24442	Seq. ID	OJ990524_06.0301.C99
Gene No.	50847	Strand	-
Start	718	End	1040
Name	OJ990524_06.0301.C99.o1.gp	Method	AAT/GAP
Start	718	End	1040
GI	4879016	Score	458
Exons	718..1040		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		
Seq. No.	24443	Seq. ID	OJ990524_06.0301.C100
Gene No.	50848	Strand	
Start	13	End	245
Name	OJ990524_06.0301.C100.o2.tw	Method	TBLASTX:Wheat
Start	13	End	245
GI	none	Score	42
Exons	13..60, 45..245, 61..105, 142..240, 170..241		
Seq. No.	24443	Seq. ID	OJ990524_06.0301.C100
Gene No.	50849	Strand	
Start	228	End	614
Name	OJ990524_06.0301.C100.o1.tm	Method	TBLASTX:Maize
Start	228	End	602
GI	none	Score	187
Exons	228..341, 339..602		
Seq. No.	24443	Seq. ID	OJ990524_06.0301.C100
Gene No.	50849	Strand	
Start	228	End	614
Name	OJ990524_06.0301.C100.o1.tw	Method	TBLASTX:Wheat
Start	246	End	614
GI	none	Score	165
Exons	246..614, 277..525, 285..614		
Seq. No.	24444	Seq. ID	OJ990524_06.0301.C103
Gene No.	50850	Strand	-
Start	1163	End	1580
Name	OJ990524_06.0301.C103.o1.gp	Method	AAT/GAP
Start	1163	End	1580
GI	uC-osroM202011h09b1	Score	800
Exons	1163..1580		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence,		

complete sequence'

Seq. No.	24445	Seq. ID	OJ990414_10.9819.C1
Gene No.	50851	Strand	+
Start	387	End	2109
Name	OJ990414_10.9819.C1.o3.np	Method	AAT/NAP
Start	387	End	2109
GI	5922619	Score	97
Exons	387..414, 2005..2109		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	24445	Seq. ID	OJ990414_10.9819.C1
Gene No.	50851	Strand	+
Start	387	End	2109
Name	OJ990414_10.9819.C1.o1.gs	Method	GENSCAN
Start	1019	End	1610
GI	none	Score	.8
Exons	1019..1073, 1537..1610		

Seq. No.	24445	Seq. ID	OJ990414_10.9819.C1
Gene No.	50852	Strand	-
Start	276	End	1929
Name	OJ990414_10.9819.C1.o1.np	Method	AAT/NAP
Start	276	End	1929
GI	6069659	Score	109
Exons	276..409, 1877..1929		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	24445	Seq. ID	OJ990414_10.9819.C1
Gene No.	50852	Strand	-
Start	276	End	1929
Name	OJ990414_10.9819.C1.o2.np	Method	AAT/NAP
Start	537	End	1087
GI	6907088	Score	448
Exons	537..774, 950..1087		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24445	Seq. ID	OJ990414_10.9819.C1
Gene No.	50853	Strand	-
Start	2252	End	2329
Name	OJ990414_10.9819.C1.o4.np	Method	AAT/NAP
Start	2252	End	2329
GI	6630699	Score	71
Exons	2252..2329		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	24445	Seq. ID	OJ990414_10.9819.C1
Gene No.	50854	Strand	-
Start	2618	End	4893
Name	OJ990414_10.9819.C1.o2.gs	Method	GENSCAN
Start	2618	End	4815
GI	none	Score	.86
Exons	2618..2695, 3910..4815		

Seq. No.	24445	Seq. ID	OJ990414_10.9819.C1
Gene No.	50854	Strand	-
Start	2618	End	4893
Name	OJ990414_10.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	3617	End	4327
GI	none	Score	186
Exons	3617..3760, 3630..3761, 3634..3762, 3906..3947, 3908..3946, 3955..4005, 3956..4327, 4063..4323		

Seq. No.	24445	Seq. ID	OJ990414_10.9819.C1
Gene No.	50854	Strand	-
Start	2618	End	4893
Name	OJ990414_10.9819.C1.o5.np	Method	AAT/NAP
Start	3633	End	4893
GI	2920654	Score	1419
Exons	3633..3760, 3910..4893		
GI Descrip.	(AF047697) putative high-pI laccase [Oryza sativa]		

Seq. No.	24445	Seq. ID	OJ990414_10.9819.C1
Gene No.	50854	Strand	-
Start	2618	End	4893
Name	OJ990414_10.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	3661	End	4269
GI	none	Score	89
Exons	3661..3759, 3666..3758, 3700..3759, 3980..4069, 4019..4261, 4063..4269		

Seq. No.	24445	Seq. ID	OJ990414_10.9819.C1
Gene No.	50854	Strand	-
Start	2618	End	4893
Name	OJ990414_10.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	3700	End	4710
GI	none	Score	72
Exons	3700..3759, 3702..3758, 3911..3955, 3911..3946, 3955..4005, 3956..4342, 4063..4326, 4264..4341, 4309..4539, 4310..4537, 4417..4710, 4628..4708		

Seq. No.	24445	Seq. ID	OJ990414_10.9819.C1
Gene No.	50854	Strand	-
Start	2618	End	4893
Name	OJ990414_10.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	4423	End	4855
GI	none	Score	45
Exons	4423..4518, 4453..4512, 4586..4633, 4590..4613, 4592..4630, 4645..4773, 4676..4747, 4687..4791, 4793..4849, 4793..4855		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50855	Strand	+
Start	16310	End	16424
Name	OJ990414_10.9819.C2.o4.np	Method	AAT/NAP
Start	16310	End	16424
GI	6815099	Score	103
Exons	16310..16424		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2

Gene No.	50856	Strand	+
Start	25051	End	25135
Name	OJ990414_10.9819.C2.o5.np	Method	AAT/NAP
Start	25051	End	25135
GI	6721547	Score	101
Exons	25051..25135		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50857	Strand	+
Start	28019	End	41047
Name	OJ990414_10.9819.C2.o6.np	Method	AAT/NAP
Start	28019	End	41047
GI	6539588	Score	221
Exons	28019..28329, 40905..41047		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50857	Strand	+
Start	28019	End	41047
Name	OJ990414_10.9819.C2.o8.gs	Method	GENSCAN
Start	36563	End	37037
GI	none	Score	.86
Exons	36563..36600, 36776..37037		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50858	Strand	-
Start	1	End	1207
Name	OJ990414_10.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	936
GI	2920654	Score	685
Exons	1..270, 392..636, 761..936		
GI Descrip.	(AF047697) putative high-pI laccase [Oryza sativa]		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50858	Strand	-
Start	1	End	1207
Name	OJ990414_10.9819.C2.o1.gs	Method	GENSCAN
Start	104	End	1163
GI	none	Score	.51
Exons	104..270, 392..636, 761..912, 960..1163		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50858	Strand	-
Start	1	End	1207
Name	OJ990414_10.9819.C2.o1.gp	Method	AAT/GAP
Start	479	End	1207
GI	2428160	Score	805
Exons	479..636, 761..912, 1059..1207		
GI Descrip.	2129953/pir||JC5229 3.0e-39 laccase (EC 1.10.3.2) - common tobacco >gi_1685087 (U43542) diphenol oxidase [Nicotiana tabacum]		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50859	Strand	-
Start	3865	End	15687
Name	OJ990414_10.9819.C2.o2.np	Method	AAT/NAP

Start	3269	End	7825
GI	3461848	Score	2443
Exons	3269..3344, 3926..4329, 4404..4631, 5170..5935, 6105..6590, 7738..7825		
GI Descrip.	(AC005315) putative AAA-type ATPase [Arabidopsis thaliana]		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50859	Strand	-
Start	3865	End	15687
Name	OJ990414_10.9819.C2.o2.gs	Method	GENSCAN
Start	3865	End	8922
GI	none	Score	.94
Exons	3865..4329, 4404..4631, 5170..5666, 5752..5935, 6105..6587, 7738..7865, 8394..8462, 8543..8747, 8860..8922		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50859	Strand	-
Start	3865	End	15687
Name	OJ990414_10.9819.C2.o2.gp	Method	AAT/GAP
Start	5408	End	5888
GI	uC-osflcyp065b11b1	Score	916
Exons	5408..5888		
GI Descrip.	'2129953/pir||JC5229 3.0e-39 laccase (EC 1.10.3.2) - common tobacco >gi_1685087 (U43542) diphenol oxidase [Nicotiana tabacum]'		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50859	Strand	-
Start	3865	End	15687
Name	OJ990414_10.9819.C2.o3.np	Method	AAT/NAP
Start	8605	End	15102
GI	6689916	Score	150
Exons	8605..8720, 10197..10374, 15035..15102		
GI Descrip.	(AF193802) zinc finger transcription factor WRKY1 [Oryza sativa]		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50859	Strand	-
Start	3865	End	15687
Name	OJ990414_10.9819.C2.o3.gs	Method	GENSCAN
Start	9816	End	13503
GI	none	Score	.84
Exons	9816..10374, 10402..10564, 12465..12701, 12970..13037, 13376..13503		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50859	Strand	-
Start	3865	End	15687
Name	OJ990414_10.9819.C2.o4.gs	Method	GENSCAN
Start	14707	End	15687
GI	none	Score	.9
Exons	14707..14794, 15035..15154, 15260..15687		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o4.tm	Method	TBLASTX:Maize
Start	143	End	272

GI	none	Score	130
Exons	143..271, 144..272		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	227	End	921
GI	none	Score	256
Exons	227..277, 382..636, 390..635, 757..921, 761..868		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	364	End	635
GI	none	Score	287
Exons	364..633, 390..635		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	382	End	819
GI	none	Score	308
Exons	382..636, 396..635, 757..819		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o2.tc	Method	TBLASTX:Cress
Start	453	End	921
GI	none	Score	195
Exons	453..635, 454..636, 757..921, 761..889		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	3875	End	6204
GI	none	Score	370
Exons	3875..4321, 3901..4332, 3922..4332, 3930..4364, 4400..4483, 4401..4634, 4402..4632, 4403..4633, 5167..5682, 5168..5575, 5168..5686, 5338..5682, 5529..5687, 5683..5751, 5685..5936, 5687..5938, 5688..5936, 5692..5937, 6093..6194, 6097..6204		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o3.tc	Method	TBLASTX:Cress
Start	3919	End	4439
GI	none	Score	38
Exons	3919..3996, 3932..3997, 3985..4017, 4018..4329, 4061..4321, 4408..4437, 4410..4439		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-

Start	26628	End	43523
Name	OJ990414_10.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	4000	End	6470
GI	none	Score	234
Exons	4000..4332, 4061..4321, 4399..4632, 4401..4634, 4402..4632, 4404..4634, 5144..5575, 5167..5673, 5167..5682, 5478..5687, 5501..5686, 5683..5751, 5684..5755, 5687..5938, 5688..5930, 6096..6230, 6096..6167, 6172..6402, 6207..6470, 6255..6467		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	4509	End	5921
GI	none	Score	71
Exons	4509..4604, 4510..4605, 5182..5328, 5183..5326, 5344..5577, 5402..5575, 5614..5682, 5667..5921, 5687..5920		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	5182	End	5514
GI	none	Score	53
Exons	5182..5328, 5267..5326, 5344..5514, 5377..5508, 5402..5512		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o4.tw	Method	TBLASTX:Wheat
Start	5614	End	5869
GI	none	Score	116
Exons	5614..5682, 5687..5869, 5697..5840		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o3.tw	Method	TBLASTX:Wheat
Start	6204	End	6404
GI	none	Score	130
Exons	6204..6404, 6208..6369		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	6205	End	6594
GI	none	Score	199
Exons	6205..6462, 6207..6467, 6208..6465, 6212..6484, 6483..6590, 6484..6588, 6484..6594		

Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o4.tc	Method	TBLASTX:Cress
Start	6237	End	6590
GI	none	Score	63

Exons	6237..6455, 6264..6455, 6483..6590, 6484..6588		
Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o7.np	Method	AAT/NAP
Start	26628	End	41448
GI	5734709	Score	162
Exons	26628..26751, 33878..34135, 35467..35568, 36058..36217, 39246..39423, 41294..41448		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		
Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o6.gs	Method	GENSCAN
Start	33404	End	34525
GI	none	Score	.42
Exons	33404..34525		
Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o7.gs	Method	GENSCAN
Start	35383	End	36277
GI	none	Score	.75
Exons	35383..35758, 35982..36277		
Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o9.gs	Method	GENSCAN
Start	37263	End	39432
GI	none	Score	.88
Exons	37263..37487, 37492..37608, 37921..37963, 38327..39432		
Seq. No.	24446	Seq. ID	OJ990414_10.9819.C2
Gene No.	50860	Strand	-
Start	26628	End	43523
Name	OJ990414_10.9819.C2.o10.gs	Method	GENSCAN
Start	40379	End	43523
GI	none	Score	.69
Exons	40379..41735, 43305..43346, 43417..43523		
Seq. No.	24447	Seq. ID	OJ990414_10.9819.C3
Gene No.	50861	Strand	+
Start	1	End	9307
Name	OJ990414_10.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	5964
GI	6729041	Score	979
Exons	1..181, 273..413, 1304..1480, 1601..1849, 2293..2361, 2496..2551, 2771..2852, 3392..3616, 3696..3765, 4045..4162, 4970..5120, 5484..5670, 5900..5964		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		
Seq. No.	24447	Seq. ID	OJ990414_10.9819.C3

Gene No.	50861	Strand	+
Start	1	End	9307
Name	OJ990414_10.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	16	End	1363
GI	none	Score	147
Exons	16..177, 17..184, 264..317, 275..316, 321..410, 326..397, 1298..1363, 1298..1363		

Seq. No.	24447	Seq. ID	OJ990414_10.9819.C3
Gene No.	50861	Strand	+
Start	1	End	9307
Name	OJ990414_10.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	37	End	1699
GI	none	Score	154
Exons	37..183, 38..181, 45..194, 252..407, 264..416, 272..415, 1298..1483, 1301..1498, 1558..1689, 1565..1693, 1598..1699		

Seq. No.	24447	Seq. ID	OJ990414_10.9819.C3
Gene No.	50861	Strand	+
Start	1	End	9307
Name	OJ990414_10.9819.C3.o1.gs	Method	GENSCAN
Start	74	End	9307
GI	none	Score	.59
Exons	74..175, 267..413, 1304..1480, 1601..1849, 2496..2551, 3695..3761, 4050..4162, 4970..5120, 5484..5670, 5702..5780, 7294..7532, 7772..8116, 8605..8838, 8918..9019, 9135..9307		

Seq. No.	24447	Seq. ID	OJ990414_10.9819.C3
Gene No.	50861	Strand	+
Start	1	End	9307
Name	OJ990414_10.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	1337	End	1855
GI	none	Score	219
Exons	1337..1483, 1337..1483, 1556..1855, 1565..1849		

Seq. No.	24447	Seq. ID	OJ990414_10.9819.C3
Gene No.	50861	Strand	+
Start	1	End	9307
Name	OJ990414_10.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	1700	End	5961
GI	none	Score	124
Exons	1700..1822, 1748..1822, 1829..1855, 2290..2361, 2290..2361, 2292..2363, 2495..2551, 2496..2549, 2749..2871, 2769..2876, 2771..2848, 3385..3594, 3389..3613, 3390..3593, 3391..3594, 3693..3761, 3693..3761, 3694..3762, 4047..4160, 4049..4177, 4050..4160, 4054..4173, 4967..5125, 4968..5126, 4972..5127, 5483..5668, 5484..5669, 5902..5961		

Seq. No.	24447	Seq. ID	OJ990414_10.9819.C3
Gene No.	50861	Strand	+
Start	1	End	9307
Name	OJ990414_10.9819.C3.o2.ts	Method	TBLASTX:Soybean
Start	3389	End	5669
GI	none	Score	182
Exons	3389..3613, 3389..3580, 3391..3585, 4055..4162, 4056..4163, 4075..4173, 4967..5125, 4974..5126, 5420..5668, 5484..5669		

Seq. No.	24447	Seq. ID	OJ990414_10.9819.C3
Gene No.	50861	Strand	+
Start	1	End	9307
Name	OJ990414_10.9819.C3.o1.gp	Method	AAT/GAP
Start	8296	End	8638
GI	LIB3431-035-P1-N1-A8	Score	635
Exons	8296..8638		
GI Descrip.	'2129953/pir||JC5229 3.0e-39 laccase (EC 1.10.3.2) - common tobacco >gi_1685087 (U43542) diphenol oxidase [Nicotiana tabacum]'		

Seq. No.	24448	Seq. ID	OJ990414_10.9819.C4
Gene No.	50862	Strand	+
Start	220	End	511
Name	OJ990414_10.9819.C4.o1.gs	Method	GENSCAN
Start	220	End	511
GI	none	Score	.47
Exons	220..315, 389..511		

Seq. No.	24448	Seq. ID	OJ990414_10.9819.C4
Gene No.	50863	Strand	+
Start	1010	End	1400
Name	OJ990414_10.9819.C4.o2.gs	Method	GENSCAN
Start	1010	End	1400
GI	none	Score	.63
Exons	1010..1281, 1394..1400		

Seq. No.	24448	Seq. ID	OJ990414_10.9819.C4
Gene No.	50863	Strand	+
Start	1010	End	1400
Name	OJ990414_10.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	1081	End	1281
GI	none	Score	341
Exons	1081..1281, 1082..1273		

Seq. No.	24449	Seq. ID	OJ990414_10.9819.C5
Gene No.	50864	Strand	+
Start	407	End	9211
Name	OJ990414_10.9819.C5.o1.gs	Method	GENSCAN
Start	407	End	9211
GI	none	Score	.81
Exons	407..570, 1138..1252, 1902..1944, 3147..3637, 3785..4241, 4324..4933, 5036..5280, 5389..5512, 5549..5640, 5911..6096, 7046..7216, 9159..9211		

Seq. No.	24449	Seq. ID	OJ990414_10.9819.C5
Gene No.	50864	Strand	+
Start	407	End	9211
Name	OJ990414_10.9819.C5.o1.np	Method	AAT/NAP
Start	3307	End	5516
GI	1621465	Score	1899
Exons	3307..3423, 3524..3675, 3785..4027, 4111..4241, 4324..5280, 5389..5516		
GI Descrip.	(U73105) laccase [Liriodendron tulipifera]		

Seq. No.	24449	Seq. ID	OJ990414_10.9819.C5
Gene No.	50865	Strand	-

Start	5212	End	9016
Name	OJ990414_10.9819.C5.o2.np	Method	AAT/NAP
Start	5212	End	9016
GI	6721547	Score	98
Exons	5212..5282, 8932..9016		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	24449	Seq. ID	OJ990414_10.9819.C5
Gene No.	50866	Strand	-
Start	12904	End	14803
Name	OJ990414_10.9819.C5.o2.ts	Method	TBLASTX:Soybean
Start	3524	End	4204
GI	none	Score	160
Exons	3524..3676, 3524..3712, 3785..4018, 3786..4028, 4109..4204		

Seq. No.	24449	Seq. ID	OJ990414_10.9819.C5
Gene No.	50866	Strand	-
Start	12904	End	14803
Name	OJ990414_10.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	3599	End	4156
GI	none	Score	67
Exons	3599..3676, 3785..4018, 3786..4028, 4109..4156, 4111..4155		

Seq. No.	24449	Seq. ID	OJ990414_10.9819.C5
Gene No.	50866	Strand	-
Start	12904	End	14803
Name	OJ990414_10.9819.C5.o3.tm	Method	TBLASTX:Maize
Start	3608	End	4028
GI	none	Score	59
Exons	3608..3676, 3785..4024, 3786..4028		

Seq. No.	24449	Seq. ID	OJ990414_10.9819.C5
Gene No.	50866	Strand	-
Start	12904	End	14803
Name	OJ990414_10.9819.C5.o2.tw	Method	TBLASTX:Wheat
Start	3786	End	4028
GI	none	Score	263
Exons	3786..4028, 3788..4018		

Seq. No.	24449	Seq. ID	OJ990414_10.9819.C5
Gene No.	50866	Strand	-
Start	12904	End	14803
Name	OJ990414_10.9819.C5.o4.tm	Method	TBLASTX:Maize
Start	4111	End	4273
GI	none	Score	201
Exons	4111..4233, 4112..4270, 4112..4273		

Seq. No.	24449	Seq. ID	OJ990414_10.9819.C5
Gene No.	50866	Strand	-
Start	12904	End	14803
Name	OJ990414_10.9819.C5.o3.ts	Method	TBLASTX:Soybean
Start	4204	End	4625
GI	none	Score	59
Exons	4204..4233, 4205..4240, 4322..4504, 4323..4508, 4332..4508, 4509..4625, 4553..4624		

Seq. No.	24449	Seq. ID	OJ990414_10.9819.C5

Gene No.	50866	Strand	-
Start	12904	End	14803
Name	OJ990414_10.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	4304	End	4601
GI	none	Score	260
Exons	4304..4570, 4323..4601, 4323..4517, 4331..4600		

Seq. No.	24449	Seq. ID	OJ990414_10.9819.C5
Gene No.	50866	Strand	-
Start	12904	End	14803
Name	OJ990414_10.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	4340	End	4787
GI	none	Score	329
Exons	4340..4555, 4341..4556, 4527..4604, 4531..4557, 4559..4603, 4569..4604, 4613..4642, 4614..4679, 4639..4731, 4667..4780, 4668..4787		

Seq. No.	24449	Seq. ID	OJ990414_10.9819.C5
Gene No.	50866	Strand	-
Start	12904	End	14803
Name	OJ990414_10.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	4703	End	5527
GI	none	Score	120
Exons	4703..4843, 4704..4844, 4833..4922, 5027..5281, 5028..5282, 5360..5527, 5388..5519		

Seq. No.	24449	Seq. ID	OJ990414_10.9819.C5
Gene No.	50866	Strand	-
Start	12904	End	14803
Name	OJ990414_10.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	4866	End	5524
GI	none	Score	63
Exons	4866..4970, 4957..5028, 4958..5035, 5018..5281, 5019..5282, 5387..5524, 5388..5519		

Seq. No.	24449	Seq. ID	OJ990414_10.9819.C5
Gene No.	50866	Strand	-
Start	12904	End	14803
Name	OJ990414_10.9819.C5.o2.tc	Method	TBLASTX:Cress
Start	5138	End	5519
GI	none	Score	140
Exons	5138..5281, 5172..5282, 5387..5515, 5388..5519		

Seq. No.	24449	Seq. ID	OJ990414_10.9819.C5
Gene No.	50866	Strand	-
Start	12904	End	14803
Name	OJ990414_10.9819.C5.o3.tw	Method	TBLASTX:Wheat
Start	11619	End	11843
GI	none	Score	115
Exons	11619..11843, 11631..11840		

Seq. No.	24449	Seq. ID	OJ990414_10.9819.C5
Gene No.	50866	Strand	-
Start	12904	End	14803
Name	OJ990414_10.9819.C5.o2.gs	Method	GENSCAN
Start	12904	End	14803
GI	none	Score	.56

Exons	12904..13199, 13690..13776, 13883..14055, 14096..14258, 14355..14511, 14693..14803		
Seq. No.	24450	Seq. ID	OJ990414_10.9819.C6
Gene No.	50867	Strand	+
Start	1148	End	3897
Name	OJ990414_10.9819.C6.o1.gs	Method	GENSCAN
Start	1148	End	3897
GI	none	Score	.73
Exons	1148..1207, 1438..1620, 1819..1942, 3662..3897		
Seq. No.	24450	Seq. ID	OJ990414_10.9819.C6
Gene No.	50867	Strand	+
Start	1148	End	3897
Name	OJ990414_10.9819.C6.o1.np	Method	AAT/NAP
Start	3766	End	3888
GI	4850407	Score	91
Exons	3766..3888		
GI Descrip.	(AC007357) EST gb|T21221 comes from this gene. [Arabidopsis thaliana]		
Seq. No.	24451	Seq. ID	OJ990414_10.9819.C8
Gene No.	50868	Strand	-
Start	569	End	719
Name	OJ990414_10.9819.C8.o1.gs	Method	GENSCAN
Start	569	End	719
GI	none	Score	.91
Exons	569..719		
Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50869	Strand	+
Start	1	End	632
Name	OJ990414_10.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	632
GI	3236247	Score	612
Exons	1..632		
GI Descrip.	(AC004684) putative SCARECROW gene regulator [Arabidopsis thaliana]		
Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50870	Strand	-
Start	151	End	1067
Name	OJ990414_10.9819.C9.o1.gp	Method	AAT/GAP
Start	151	End	1067
GI	3411_1.R1084	Score	1815
Exons	151..1067		
GI Descrip.	'3236247 4.0e-54 (AC004684) SCARECROW-like protein [Arabidopsis thaliana]'		
Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50871	Strand	-
Start	2921	End	3121
Name	OJ990414_10.9819.C9.o2.gs	Method	GENSCAN
Start	2921	End	3121
GI	none	Score	.97
Exons	2921..3121		

Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50872	Strand	-
Start	4116	End	4671
Name	OJ990414_10.9819.C9.o3.gs	Method	GENSCAN
Start	4116	End	4671
GI	none	Score	.87
Exons	4116..4312, 4602..4671		

Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	73	End	784
GI	none	Score	535
Exons	73..126, 74..622, 75..629, 104..622, 486..626, 707..745, 710..784		

Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	75	End	622
GI	none	Score	505
Exons	75..524, 98..520, 528..620, 575..622		

Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	131	End	626
GI	none	Score	430
Exons	131..499, 132..521, 528..626		

Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	373	End	697
GI	none	Score	405
Exons	373..615, 375..617, 671..697		

Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o2.gp	Method	AAT/GAP
Start	5460	End	8181
GI	838_1.R1084	Score	3581
Exons	5460..5808, 5914..6888, 7389..7517, 7675..7919, 8002..8181		
GI Descrip.	'2920654/gb|AAC04576.1| 0.0e+00 (AF047697) putative high-pI laccase [Oryza sativa]'		

Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	5678	End	6332
GI	none	Score	147

Exons	5678..5809, 5684..5803, 5901..6332, 5912..6328, 6165..6332		
Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o4.gs	Method	GENSCAN
Start	5678	End	8355
GI	none	Score	.88
Exons	5678..5808, 5914..6888, 7389..7517, 7603..7919, 8002..8153, 8254..8355		
Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o2.np	Method	AAT/NAP
Start	5681	End	8177
GI	2920654	Score	2789
Exons	5681..5808, 5914..6888, 7389..7517, 7675..7919, 8002..8177		
GI Descrip.	(AF047697) putative high-pI laccase [Oryza sativa]		
Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o3.tc	Method	TBLASTX:Cress
Start	5684	End	6274
GI	none	Score	63
Exons	5684..5806, 5714..5806, 5733..5807, 6023..6274, 6033..6254		
Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	5748	End	6718
GI	none	Score	77
Exons	5748..5807, 5750..5806, 5901..6266, 5915..6289, 6293..6346, 6314..6565, 6327..6527, 6590..6718, 6591..6626, 6636..6713		
Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o4.tc	Method	TBLASTX:Cress
Start	6291	End	6847
GI	none	Score	75
Exons	6291..6395, 6296..6409, 6578..6661, 6689..6847		
Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o4.tm	Method	TBLASTX:Maize
Start	6413	End	6871
GI	none	Score	83
Exons	6413..6523, 6609..6641, 6683..6871, 6684..6752, 6845..6871		
Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o3.tw	Method	TBLASTX:Wheat

Start	6641	End	6907
GI	none	Score	60
Exons	6641..6889, 6642..6752, 6845..6907		

Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o4.ts	Method	TBLASTX:Soybean
Start	6719	End	7473
GI	none	Score	99
Exons	6719..6889, 7340..7468, 7384..7473		

Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o5.tm	Method	TBLASTX:Maize
Start	7340	End	7519
GI	none	Score	146
Exons	7340..7519, 7384..7518		

Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o2.tc	Method	TBLASTX:Cress
Start	7474	End	8078
GI	none	Score	236
Exons	7474..7521, 7656..7919, 7667..7918, 8001..8078		

Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o3.ts	Method	TBLASTX:Soybean
Start	7474	End	8283
GI	none	Score	217
Exons	7474..7521, 7667..7918, 7674..7919, 8001..8153, 8014..8142, 8245..8283		

Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o2.tw	Method	TBLASTX:Wheat
Start	7667	End	7918
GI	none	Score	234
Exons	7667..7918, 7674..7916		

Seq. No.	24452	Seq. ID	OJ990414_10.9819.C9
Gene No.	50873	Strand	-
Start	5678	End	8355
Name	OJ990414_10.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	7667	End	7919
GI	none	Score	293
Exons	7667..7918, 7677..7919		

Seq. No.	24453	Seq. ID	OJ990414_10.9819.C10
Gene No.	50874	Strand	-
Start	1597	End	1797
Name	OJ990414_10.9819.C10.o1.gs	Method	GENSCAN

Start	1597	End	1797
GI	none	Score	.43
Exons	1597..1797		

Seq. No.	24454	Seq. ID	OJ990414_10.9819.C11
Gene No.	50875	Strand	-
Start	1	End	1433
Name	OJ990414_10.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	1433
GI	6907086	Score	899
Exons	1..185, 412..583, 644..1433		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24454	Seq. ID	OJ990414_10.9819.C11
Gene No.	50875	Strand	-
Start	1	End	1433
Name	OJ990414_10.9819.C11.o1.gs	Method	GENSCAN
Start	675	End	1248
GI	none	Score	.74
Exons	675..835, 858..1248		

Seq. No.	24455	Seq. ID	OJ990414_10.9819.C15
Gene No.	50876	Strand	+
Start	1	End	152
Name	OJ990414_10.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	152
GI	3377509	Score	75
Exons	1..152		
GI Descrip.	(AF056027) auxin transport protein REH1 [Oryza sativa]		

Seq. No.	24455	Seq. ID	OJ990414_10.9819.C15
Gene No.	50877	Strand	+
Start	89	End	259
Name	OJ990414_10.9819.C15.o1.gs	Method	GENSCAN
Start	89	End	259
GI	none	Score	1
Exons	89..259		

Seq. No.	24455	Seq. ID	OJ990414_10.9819.C15
Gene No.	50878	Strand	-
Start	1627	End	1718
Name	OJ990414_10.9819.C15.o2.gs	Method	GENSCAN
Start	1627	End	1718
GI	none	Score	.75
Exons	1627..1718		

Seq. No.	24456	Seq. ID	OJ990414_10.9819.C16
Gene No.	50879	Strand	+
Start	16	End	739
Name	OJ990414_10.9819.C16.o1.np	Method	AAT/NAP
Start	16	End	739
GI	6630695	Score	199
Exons	16..104, 237..339, 455..508, 587..739		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	24457	Seq. ID	OJ990414_10.9819.C17
Gene No.	50880	Strand	-
Start	1	End	743
Name	OJ990414_10.9819.C17.o1.np	Method	AAT/NAP
Start	1	End	743
GI	2230873	Score	86
Exons	1..27, 265..393, 472..525, 611..743		
GI Descrip.	(X98494) M phase phosphoprotein 10 [Homo sapiens]		

Seq. No.	24457	Seq. ID	OJ990414_10.9819.C17
Gene No.	50880	Strand	-
Start	1	End	743
Name	OJ990414_10.9819.C17.o1.gs	Method	GENSCAN
Start	252	End	525
GI	none	Score	.9
Exons	252..393, 472..525		

Seq. No.	24457	Seq. ID	OJ990414_10.9819.C17
Gene No.	50880	Strand	-
Start	1	End	743
Name	OJ990414_10.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	252	End	664
GI	none	Score	58
Exons	252..302, 253..396, 351..395, 361..396, 469..525, 471..527, 473..526, 608..664, 609..662		

Seq. No.	24458	Seq. ID	OJ990414_10.9819.C19
Gene No.	50881	Strand	-
Start	125	End	397
Name	OJ990414_10.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	64	End	363
GI	none	Score	47
Exons	64..93, 64..93, 68..109, 97..186, 98..184, 102..185, 273..362, 274..363, 275..361		

Seq. No.	24458	Seq. ID	OJ990414_10.9819.C19
Gene No.	50881	Strand	-
Start	125	End	397
Name	OJ990414_10.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	70	End	386
GI	none	Score	122
Exons	70..186, 102..185, 273..386, 275..385		

Seq. No.	24458	Seq. ID	OJ990414_10.9819.C19
Gene No.	50881	Strand	-
Start	125	End	397
Name	OJ990414_10.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	70	End	397
GI	none	Score	125
Exons	70..186, 105..185, 273..386, 275..397		

Seq. No.	24458	Seq. ID	OJ990414_10.9819.C19
Gene No.	50881	Strand	-
Start	125	End	397
Name	OJ990414_10.9819.C19.o1.gs	Method	GENSCAN
Start	125	End	172
GI	none	Score	.86

Exons	125..172		
Seq. No.	24459	Seq. ID	OJ990414_10.9819.C20
Gene No.	50882	Strand	+
Start	1	End	763
Name	OJ990414_10.9819.C20.o1.np	Method	AAT/NAP
Start	1	End	763
GI	3850583	Score	86
Exons	1..43, 462..593, 680..763		
GI Descrip.	(AC005278) Contains similarity to transcription initiation factor IIE, alpha subunit gb|X63468 from Homo sapiens. [Arabidopsis thaliana]		
Seq. No.	24460	Seq. ID	OJ990414_11.9819.C1
Gene No.	50883	Strand	-
Start	1	End	468
Name	OJ990414_11.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	468
GI	2274845	Score	42
Exons	1..283, 361..468		
GI Descrip.	(D88461) N-WASP [Rattus rattus]		
Seq. No.	24460	Seq. ID	OJ990414_11.9819.C1
Gene No.	50883	Strand	-
Start	1	End	468
Name	OJ990414_11.9819.C1.o1.gp	Method	AAT/GAP
Start	52	End	124
GI	none	Score	120
Exons	52..124		
Seq. No.	24460	Seq. ID	OJ990414_11.9819.C1
Gene No.	50884	Strand	-
Start	1226	End	1319
Name	OJ990414_11.9819.C1.o2.np	Method	AAT/NAP
Start	1226	End	1319
GI	6721547	Score	95
Exons	1226..1319		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	24461	Seq. ID	OJ990414_11.9819.C2
Gene No.	50885	Strand	-
Start	394	End	3184
Name	OJ990414_11.9819.C2.o1.gp	Method	AAT/GAP
Start	394	End	3184
GI	28754_1.R1084	Score	922
Exons	394..632, 1364..1517, 3070..3184		
GI Descrip.	'3935169 5.0e-12 (AC004557) F17L21.12 [Arabidopsis thaliana]'		
Seq. No.	24461	Seq. ID	OJ990414_11.9819.C2
Gene No.	50885	Strand	-
Start	394	End	3184
Name	OJ990414_11.9819.C2.o1.np	Method	AAT/NAP
Start	589	End	1520
GI	3935169	Score	209
Exons	589..632, 1364..1520		
GI Descrip.	(AC004557) F17L21.12 [Arabidopsis thaliana]		

Seq. No.	24461	Seq. ID	OJ990414_11.9819.C2
Gene No.	50885	Strand	-
Start	394	End	3184
Name	OJ990414_11.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	1355	End	1518
GI	none	Score	167
Exons	1355..1516, 1363..1518, 1365..1517, 1366..1518		

Seq. No.	24462	Seq. ID	OJ990414_11.9819.C3
Gene No.	50886	Strand	+
Start	205	End	6162
Name	OJ990414_11.9819.C3.o1.np	Method	AAT/NAP
Start	205	End	4137
GI	5902444	Score	953
Exons	205..226, 2104..2319, 2441..4137		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	24462	Seq. ID	OJ990414_11.9819.C3
Gene No.	50886	Strand	+
Start	205	End	6162
Name	OJ990414_11.9819.C3.o2.np	Method	AAT/NAP
Start	1282	End	5785
GI	1947160	Score	168
Exons	1282..1332, 3905..3954, 4740..5268, 5329..5599, 5707..5785		
GI Descrip.	(AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]		

Seq. No.	24462	Seq. ID	OJ990414_11.9819.C3
Gene No.	50886	Strand	+
Start	205	End	6162
Name	OJ990414_11.9819.C3.o2.gs	Method	GENSCAN
Start	5443	End	6162
GI	none	Score	.84
Exons	5443..5497, 5632..5755, 6042..6162		

Seq. No.	24462	Seq. ID	OJ990414_11.9819.C3
Gene No.	50887	Strand	+
Start	6662	End	7697
Name	OJ990414_11.9819.C3.o4.np	Method	AAT/NAP
Start	6662	End	7697
GI	6721561	Score	131
Exons	6662..6752, 7563..7697		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	24462	Seq. ID	OJ990414_11.9819.C3
Gene No.	50887	Strand	+
Start	6662	End	7697
Name	OJ990414_11.9819.C3.o5.np	Method	AAT/NAP
Start	7535	End	7697
GI	5902445	Score	97
Exons	7535..7697		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	24462	Seq. ID	OJ990414_11.9819.C3
Gene No.	50888	Strand	-
Start	6540	End	7697
Name	OJ990414_11.9819.C3.o2.tw	Method	TBLASTX:Wheat
Start	2521	End	2868
GI	none	Score	74
Exons	2521..2634, 2544..2597, 2623..2868, 2640..2813		

Seq. No.	24462	Seq. ID	OJ990414_11.9819.C3
Gene No.	50888	Strand	-
Start	6540	End	7697
Name	OJ990414_11.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	3502	End	7600
GI	none	Score	124
Exons	3502..3684, 3513..3683, 3721..3957, 3723..3947, 4104..4193, 4105..4194, 4126..4239, 6596..6688, 7522..7599, 7523..7600		

Seq. No.	24462	Seq. ID	OJ990414_11.9819.C3
Gene No.	50888	Strand	-
Start	6540	End	7697
Name	OJ990414_11.9819.C3.o3.np	Method	AAT/NAP
Start	6540	End	7697
GI	4680183	Score	139
Exons	6540..6629, 7671..7697		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50889	Strand	+
Start	1	End	10528
Name	OJ990414_11.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	3748
GI	5902445	Score	876
Exons	1..960, 3700..3748		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50889	Strand	+
Start	1	End	10528
Name	OJ990414_11.9819.C4.o1.gs	Method	GENSCAN
Start	75	End	638
GI	none	Score	.99
Exons	75..638		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50889	Strand	+
Start	1	End	10528
Name	OJ990414_11.9819.C4.o2.gs	Method	GENSCAN
Start	3203	End	10139
GI	none	Score	.61
Exons	3203..3287, 4449..4555, 5846..5936, 6813..7045, 7188..7334, 8384..8456, 8522..8673, 8766..9434, 9574..9800, 10049..10139		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50889	Strand	+
Start	1	End	10528
Name	OJ990414_11.9819.C4.o2.np	Method	AAT/NAP
Start	4366	End	5710

GI	6630699	Score	82
Exons	4366..4399, 5633..5710		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50889	Strand	+
Start	1	End	10528
Name	OJ990414_11.9819.C4.o3.np	Method	AAT/NAP
Start	5840	End	6276
GI	6539570	Score	124
Exons	5840..6041, 6203..6276		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50889	Strand	+
Start	1	End	10528
Name	OJ990414_11.9819.C4.o1.gp	Method	AAT/GAP
Start	9424	End	10528
GI	none	Score	1716
Exons	9424..9455, 9574..9953, 10049..10528		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50890	Strand	+
Start	23147	End	23479
Name	OJ990414_11.9819.C4.o5.gs	Method	GENSCAN
Start	23147	End	23479
GI	none	Score	1
Exons	23147..23479		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50891	Strand	-
Start	11768	End	15622
Name	OJ990414_11.9819.C4.o3.gs	Method	GENSCAN
Start	11768	End	15300
GI	none	Score	.58
Exons	11768..11789, 11869..11935, 12045..12127, 12959..13132, 13199..13402, 13501..14241, 15293..15300		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50891	Strand	-
Start	11768	End	15622
Name	OJ990414_11.9819.C4.o6.np	Method	AAT/NAP
Start	12959	End	15622
GI	4755187	Score	329
Exons	12959..13132, 13226..13402, 13501..13845, 15564..15622		
GI Descrip.	(AC007018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50892	Strand	-
Start	17069	End	22682
Name	OJ990414_11.9819.C4.o4.gs	Method	GENSCAN
Start	17069	End	22682
GI	none	Score	.74
Exons	17069..17167, 18401..18479, 20381..20562, 21242..22314, 22349..22682		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50893	Strand	-
Start	23813	End	26166
Name	OJ990414_11.9819.C4.o3.tw	Method	TBLASTX:Wheat
Start	12	End	227
GI	none	Score	182
Exons	12..227		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50893	Strand	-
Start	23813	End	26166
Name	OJ990414_11.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	198	End	554
GI	none	Score	306
Exons	198..554, 207..254, 242..514		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50893	Strand	-
Start	23813	End	26166
Name	OJ990414_11.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	228	End	634
GI	none	Score	426
Exons	228..632, 242..634, 263..634		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50893	Strand	-
Start	23813	End	26166
Name	OJ990414_11.9819.C4.o3.ts	Method	TBLASTX:Soybean
Start	282	End	697
GI	none	Score	256
Exons	282..644, 308..481, 518..553, 617..697		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50893	Strand	-
Start	23813	End	26166
Name	OJ990414_11.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	635	End	939
GI	none	Score	68
Exons	635..724, 736..939		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50893	Strand	-
Start	23813	End	26166
Name	OJ990414_11.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	8925	End	9446
GI	none	Score	141
Exons	8925..9044, 8934..9044, 9011..9145, 9039..9167, 9040..9147, 9041..9169, 9297..9446		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50893	Strand	-
Start	23813	End	26166
Name	OJ990414_11.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	9582	End	9890
GI	none	Score	434
Exons	9582..9890, 9583..9885		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50893	Strand	-
Start	23813	End	26166
Name	OJ990414_11.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	12961	End	25728
GI	none	Score	120
Exons	12961..13128, 12971..13126, 13221..13292, 13228..13290, 25576..25692, 25693..25728		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50893	Strand	-
Start	23813	End	26166
Name	OJ990414_11.9819.C4.o4.ts	Method	TBLASTX:Soybean
Start	12961	End	25728
GI	none	Score	121
Exons	12961..13128, 12971..13135, 12971..13135, 13226..13297, 13228..13296, 13692..13811, 25576..25692, 25693..25728		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50893	Strand	-
Start	23813	End	26166
Name	OJ990414_11.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	12961	End	25728
GI	none	Score	68
Exons	12961..13128, 12970..13119, 12971..13126, 13226..13300, 13228..13299, 25576..25692, 25693..25728		

Seq. No.	24463	Seq. ID	OJ990414_11.9819.C4
Gene No.	50893	Strand	-
Start	23813	End	26166
Name	OJ990414_11.9819.C4.o6.gs	Method	GENSCAN
Start	23813	End	26166
GI	none	Score	.56
Exons	23813..23871, 24196..24312, 24437..24516, 24709..24770, 25588..25732, 25861..26166		

Seq. No.	24464	Seq. ID	OJ990414_11.9819.C5
Gene No.	50894	Strand	-
Start	1	End	2335
Name	OJ990414_11.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	345
GI	4755187	Score	42
Exons	1..20, 228..345		
GI Descrip.	(AC007018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24464	Seq. ID	OJ990414_11.9819.C5
Gene No.	50894	Strand	-
Start	1	End	2335
Name	OJ990414_11.9819.C5.o1.gs	Method	GENSCAN
Start	197	End	2335
GI	none	Score	.73
Exons	197..270, 292..385, 513..730, 821..1120, 2120..2144, 2240..2335		

Seq. No.	24465	Seq. ID	OJ990414_11.9819.C6
Gene No.	50895	Strand	-
Start	166	End	1244

Name	OJ990414_11.9819.C6.o1.gs	Method	GENSCAN
Start	166	End	1244
GI	none	Score	.85
Exons	166..343, 1080..1169, 1195..1244		

Seq. No.	24466	Seq. ID	OJ990414_11.9819.C7
Gene No.	50896	Strand	+
Start	501	End	4238
Name	OJ990414_11.9819.C7.o1.gs	Method	GENSCAN
Start	501	End	4238
GI	none	Score	.7
Exons	501..548, 937..993, 2650..2730, 4039..4238		

Seq. No.	24466	Seq. ID	OJ990414_11.9819.C7
Gene No.	50897	Strand	+
Start	6528	End	6696
Name	OJ990414_11.9819.C7.o1.np	Method	AAT/NAP
Start	6528	End	6696
GI	6721547	Score	108
Exons	6528..6696		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	24466	Seq. ID	OJ990414_11.9819.C7
Gene No.	50898	Strand	-
Start	6023	End	6103
Name	OJ990414_11.9819.C7.o2.gs	Method	GENSCAN
Start	6023	End	6103
GI	none	Score	.75
Exons	6023..6103		

Seq. No.	24467	Seq. ID	OJ990414_11.9819.C8
Gene No.	50899	Strand	+
Start	436	End	2795
Name	OJ990414_11.9819.C8.o1.gp	Method	AAT/GAP
Start	436	End	899
GI	7691_1.R1084	Score	553
Exons	436..683, 822..899		
GI Descrip.	'4938503/emb|CAB43861.1| 8.0e-27 (AL078465) hnRNP-like protein [Arabidopsis thaliana]'		

Seq. No.	24467	Seq. ID	OJ990414_11.9819.C8
Gene No.	50899	Strand	+
Start	436	End	2795
Name	OJ990414_11.9819.C8.o1.gs	Method	GENSCAN
Start	462	End	2795
GI	none	Score	.48
Exons	462..683, 822..2004, 2779..2795		

Seq. No.	24467	Seq. ID	OJ990414_11.9819.C8
Gene No.	50899	Strand	+
Start	436	End	2795
Name	OJ990414_11.9819.C8.o1.np	Method	AAT/NAP
Start	462	End	2009
GI	6648193	Score	1086
Exons	462..683, 822..2009		
GI Descrip.	(AC013483) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	24467	Seq. ID	OJ990414_11.9819.C8
Gene No.	50899	Strand	+
Start	436	End	2795
Name	OJ990414_11.9819.C8.o2.gp	Method	AAT/GAP
Start	948	End	1382
GI	uC-osflcyp005f12b1	Score	870
Exons	948..1382		
GI Descrip.	'4938503/emb|CAB43861.1| 3.0e-39 (AL078465) hnRNP-like protein [Arabidopsis thaliana]'		

Seq. No.	24467	Seq. ID	OJ990414_11.9819.C8
Gene No.	50900	Strand	-
Start	1934	End	2042
Name	OJ990414_11.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	429	End	2042
GI	none	Score	380
Exons	429..452, 441..686, 444..686, 480..647, 485..613, 822..863, 822..884, 823..885, 852..1118, 883..1557, 889..1608, 890..1612, 909..1616, 917..1051, 918..1061, 1104..1154, 1509..1613, 1603..1725, 1611..1730, 1725..2042, 1726..2004		

Seq. No.	24467	Seq. ID	OJ990414_11.9819.C8
Gene No.	50900	Strand	-
Start	1934	End	2042
Name	OJ990414_11.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	456	End	1783
GI	none	Score	310
Exons	456..686, 456..680, 480..650, 485..685, 485..613, 822..857, 822..857, 893..1168, 909..1172, 918..1091, 923..1084, 1173..1340, 1175..1294, 1344..1418, 1344..1364, 1361..1417, 1392..1613, 1444..1551, 1661..1687, 1730..1783		

Seq. No.	24467	Seq. ID	OJ990414_11.9819.C8
Gene No.	50900	Strand	-
Start	1934	End	2042
Name	OJ990414_11.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	468	End	1874
GI	none	Score	247
Exons	468..686, 468..623, 468..680, 485..685, 821..844, 822..863, 899..1192, 909..1193, 918..1034, 1290..1388, 1715..1747, 1770..1874		

Seq. No.	24467	Seq. ID	OJ990414_11.9819.C8
Gene No.	50900	Strand	-
Start	1934	End	2042
Name	OJ990414_11.9819.C8.o3.gp	Method	AAT/GAP
Start	1934	End	2019
GI	none	Score	117
Exons	1934..2019		

Seq. No.	24468	Seq. ID	OJ990414_11.9819.C9
Gene No.	50901	Strand	+
Start	5321	End	6540
Name	OJ990414_11.9819.C9.o3.gs	Method	GENSCAN
Start	5321	End	6540
GI	none	Score	.87
Exons	5321..5666, 6332..6540		

Seq. No.	24468	Seq. ID	OJ990414_11.9819.C9
Gene No.	50902	Strand	-
Start	1	End	892
Name	OJ990414_11.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	793
GI	4678362	Score	436
Exons	1..44, 299..793		
GI Descrip.	(AL049659) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	24468	Seq. ID	OJ990414_11.9819.C9
Gene No.	50902	Strand	-
Start	1	End	892
Name	OJ990414_11.9819.C9.o1.gs	Method	GENSCAN
Start	299	End	892
GI	none	Score	.45
Exons	299..892		

Seq. No.	24468	Seq. ID	OJ990414_11.9819.C9
Gene No.	50903	Strand	-
Start	1153	End	2045
Name	OJ990414_11.9819.C9.o2.gs	Method	GENSCAN
Start	1153	End	2045
GI	none	Score	.92
Exons	1153..1299, 1980..2045		

Seq. No.	24468	Seq. ID	OJ990414_11.9819.C9
Gene No.	50904	Strand	-
Start	2455	End	5868
Name	OJ990414_11.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	297	End	748
GI	none	Score	166
Exons	297..545, 302..610, 614..748, 657..746		

Seq. No.	24468	Seq. ID	OJ990414_11.9819.C9
Gene No.	50904	Strand	-
Start	2455	End	5868
Name	OJ990414_11.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	297	End	748
GI	none	Score	166
Exons	297..545, 302..610, 614..748, 657..746		

Seq. No.	24468	Seq. ID	OJ990414_11.9819.C9
Gene No.	50904	Strand	-
Start	2455	End	5868
Name	OJ990414_11.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	323	End	613
GI	none	Score	100
Exons	323..613, 336..524		

Seq. No.	24468	Seq. ID	OJ990414_11.9819.C9
Gene No.	50904	Strand	-
Start	2455	End	5868
Name	OJ990414_11.9819.C9.o1.gp	Method	AAT/GAP
Start	2455	End	3133
GI	none	Score	1298
Exons	2455..3133		

Seq. No.	24468	Seq. ID	OJ990414_11.9819.C9
Gene No.	50904	Strand	-
Start	2455	End	5868
Name	OJ990414_11.9819.C9.o2.np	Method	AAT/NAP
Start	2607	End	5868
GI	3094014	Score	210
Exons	2607..2697, 4064..4172, 5295..5398, 5812..5868		
GI Descrip.	(AF060862) unknown [Homo sapiens]		

Seq. No.	24468	Seq. ID	OJ990414_11.9819.C9
Gene No.	50904	Strand	-
Start	2455	End	5868
Name	OJ990414_11.9819.C9.o2.gp	Method	AAT/GAP
Start	3724	End	4185
GI	none	Score	885
Exons	3724..4185		

Seq. No.	24469	Seq. ID	OJ990414_11.9819.C10
Gene No.	50905	Strand	+
Start	49	End	2611
Name	OJ990414_11.9819.C10.o1.gs	Method	GENSCAN
Start	49	End	2611
GI	none	Score	.74
Exons	49..205, 860..1511, 1831..1998, 2089..2283, 2399..2611		

Seq. No.	24469	Seq. ID	OJ990414_11.9819.C10
Gene No.	50906	Strand	+
Start	10452	End	15158
Name	OJ990414_11.9819.C10.o4.gs	Method	GENSCAN
Start	10452	End	14905
GI	none	Score	.87
Exons	10452..10505, 10849..11112, 12173..12346, 13350..13893, 14495..14660, 14747..14905		

Seq. No.	24469	Seq. ID	OJ990414_11.9819.C10
Gene No.	50906	Strand	+
Start	10452	End	15158
Name	OJ990414_11.9819.C10.o3.np	Method	AAT/NAP
Start	10886	End	15158
GI	4938502	Score	582
Exons	10886..11155, 12173..12319, 13377..13893, 14495..14660, 14747..14912, 15122..15158		
GI Descrip.	(AL078465) putative protein [Arabidopsis thaliana]		

Seq. No.	24469	Seq. ID	OJ990414_11.9819.C10
Gene No.	50906	Strand	+
Start	10452	End	15158
Name	OJ990414_11.9819.C10.o1.gp	Method	AAT/GAP
Start	11018	End	13626
GI	none	Score	1011
Exons	11018..11112, 12173..12347, 13350..13626		

Seq. No.	24469	Seq. ID	OJ990414_11.9819.C10
Gene No.	50907	Strand	-
Start	1492	End	6087
Name	OJ990414_11.9819.C10.o1.np	Method	AAT/NAP

Start	1492	End	5138
GI	6539581	Score	471
Exons	1492..1544, 3839..4862, 4935..5138		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	24469	Seq. ID	OJ990414_11.9819.C10
Gene No.	50907	Strand	-
Start	1492	End	6087
Name	OJ990414_11.9819.C10.o2.np	Method	AAT/NAP
Start	1551	End	4775
GI	6862929	Score	283
Exons	1551..1662, 3834..4541, 4584..4775		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	24469	Seq. ID	OJ990414_11.9819.C10
Gene No.	50907	Strand	-
Start	1492	End	6087
Name	OJ990414_11.9819.C10.o2.gs	Method	GENSCAN
Start	3797	End	6087
GI	none	Score	.64
Exons	3797..4541, 4619..4893, 4993..5073, 5312..5568, 5970..6087		

Seq. No.	24469	Seq. ID	OJ990414_11.9819.C10
Gene No.	50907	Strand	-
Start	1492	End	6087
Name	OJ990414_11.9819.C10.o2.ts	Method	TBLASTX:Soybean
Start	3803	End	4222
GI	none	Score	103
Exons	3803..4222, 3933..4178		

Seq. No.	24469	Seq. ID	OJ990414_11.9819.C10
Gene No.	50907	Strand	-
Start	1492	End	6087
Name	OJ990414_11.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	3899	End	4279
GI	none	Score	154
Exons	3899..4192, 3899..4279		

Seq. No.	24469	Seq. ID	OJ990414_11.9819.C10
Gene No.	50908	Strand	
Start	10740	End	11127
Name	OJ990414_11.9819.C10.o3.tm	Method	TBLASTX:Maize
Start	10740	End	11127
GI	none	Score	39
Exons	10740..10763, 10740..10775, 10858..10947, 10859..10900, 10860..10955, 10861..10956, 10935..11108, 10992..11114, 10993..11127		

Seq. No.	24469	Seq. ID	OJ990414_11.9819.C10
Gene No.	50909	Strand	
Start	12169	End	14906
Name	OJ990414_11.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	12169	End	14906
GI	none	Score	143
Exons	12169..12330, 12172..12330, 12173..12346, 13326..13883, 13359..13883, 13832..13891, 14474..14641, 14494..14646,		

14494..14616, 14844..14906

Seq. No.	24469	Seq. ID	OJ990414_11.9819.C10
Gene No.	50909	Strand	
Start	12169	End	14906
Name	OJ990414_11.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	13491	End	14906
GI	none	Score	305
Exons	13491..13763, 13493..13768, 13493..13789, 13494..13790, 13770..13799, 14843..14902, 14844..14906		

Seq. No.	24469	Seq. ID	OJ990414_11.9819.C10
Gene No.	50909	Strand	
Start	12169	End	14906
Name	OJ990414_11.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	13619	End	14906
GI	none	Score	359
Exons	13619..13789, 13620..13856, 13635..13838, 14820..14906, 14822..14905		

Seq. No.	24469	Seq. ID	OJ990414_11.9819.C10
Gene No.	50909	Strand	
Start	12169	End	14906
Name	OJ990414_11.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	13629	End	14906
GI	none	Score	83
Exons	13629..13805, 13630..13737, 13632..13826, 14843..14905, 14844..14906		

Seq. No.	24470	Seq. ID	OJ990414_11.9819.C11
Gene No.	50910	Strand	+
Start	1	End	1285
Name	OJ990414_11.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	1242
GI	4678362	Score	529
Exons	1..268, 896..1242		
GI Descrip.	(AL049659) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	24470	Seq. ID	OJ990414_11.9819.C11
Gene No.	50910	Strand	+
Start	1	End	1285
Name	OJ990414_11.9819.C11.o1.gs	Method	GENSCAN
Start	44	End	1285
GI	none	Score	.92
Exons	44..268, 896..1285		

Seq. No.	24470	Seq. ID	OJ990414_11.9819.C11
Gene No.	50911	Strand	+
Start	5487	End	8752
Name	OJ990414_11.9819.C11.o3.gs	Method	GENSCAN
Start	5487	End	8752
GI	none	Score	.42
Exons	5487..5655, 6349..6496, 7114..7257, 7346..7415, 7510..8752		

Seq. No.	24470	Seq. ID	OJ990414_11.9819.C11
Gene No.	50911	Strand	+
Start	5487	End	8752

Name	OJ990414_11.9819.C11.o2.np	Method	AAT/NAP
Start	7599	End	7885
GI	4468984	Score	142
Exons	7599..7885		
GI Descrip.	(AL035605) putative protein [Arabidopsis thaliana]		

Seq. No.	24470	Seq. ID	OJ990414_11.9819.C11
Gene No.	50912	Strand	-
Start	1838	End	3254
Name	OJ990414_11.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	5	End	1264
GI	none	Score	296
Exons	5..265, 22..270, 893..1264, 895..1245		

Seq. No.	24470	Seq. ID	OJ990414_11.9819.C11
Gene No.	50912	Strand	-
Start	1838	End	3254
Name	OJ990414_11.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	5	End	211
GI	none	Score	206
Exons	5..211, 22..210		

Seq. No.	24470	Seq. ID	OJ990414_11.9819.C11
Gene No.	50912	Strand	-
Start	1838	End	3254
Name	OJ990414_11.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	212	End	1264
GI	none	Score	77
Exons	212..265, 214..270, 895..1248, 896..1264		

Seq. No.	24470	Seq. ID	OJ990414_11.9819.C11
Gene No.	50912	Strand	-
Start	1838	End	3254
Name	OJ990414_11.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	892	End	1264
GI	none	Score	342
Exons	892..1149, 893..1264		

Seq. No.	24470	Seq. ID	OJ990414_11.9819.C11
Gene No.	50912	Strand	-
Start	1838	End	3254
Name	OJ990414_11.9819.C11.o2.gs	Method	GENSCAN
Start	1838	End	3254
GI	none	Score	.47
Exons	1838..2056, 2949..3059, 3165..3254		

Seq. No.	24470	Seq. ID	OJ990414_11.9819.C11
Gene No.	50913	Strand	
Start	7180	End	7771
Name	OJ990414_11.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	7180	End	7771
GI	none	Score	116
Exons	7180..7254, 7181..7258, 7332..7415, 7353..7415, 7507..7563, 7509..7547, 7573..7704, 7590..7712, 7700..7771, 7708..7749, 7708..7749		

Seq. No.	24471	Seq. ID	OJ990414_11.9819.C12

Gene No.	50914	Strand	+
Start	135	End	3214
Name	OJ990414_11.9819.C12.o1.gs	Method	GENSCAN
Start	135	End	3214
GI	none	Score	.61
Exons	135..220, 234..414, 1665..1799, 3058..3214		

Seq. No.	24472	Seq. ID	OJ990414_11.9819.C14
Gene No.	50915	Strand	-
Start	515	End	719
Name	OJ990414_11.9819.C14.o1.gp	Method	AAT/GAP
Start	515	End	719
GI	none	Score	385
Exons	515..719		

Seq. No.	24473	Seq. ID	OJ990414_11.9819.C16
Gene No.	50916	Strand	+
Start	1345	End	1432
Name	OJ990414_11.9819.C16.o1.gp	Method	AAT/GAP
Start	1345	End	1432
GI	5867_1.R1084	Score	117
Exons	1345..1432		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	24473	Seq. ID	OJ990414_11.9819.C16
Gene No.	50917	Strand	-
Start	2027	End	2122
Name	OJ990414_11.9819.C16.o1.gs	Method	GENSCAN
Start	2027	End	2122
GI	none	Score	.74
Exons	2027..2122		

Seq. No.	24474	Seq. ID	OJ990414_11.9819.C17
Gene No.	50918	Strand	+
Start	1218	End	1636
Name	OJ990414_11.9819.C17.o1.gp	Method	AAT/GAP
Start	1218	End	1636
GI	none	Score	766
Exons	1218..1636		

Seq. No.	24474	Seq. ID	OJ990414_11.9819.C17
Gene No.	50918	Strand	+
Start	1218	End	1636
Name	OJ990414_11.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	1381	End	1634
GI	none	Score	81
Exons	1381..1497, 1384..1536, 1388..1534, 1565..1633, 1566..1634, 1566..1631		

Seq. No.	24474	Seq. ID	OJ990414_11.9819.C17
Gene No.	50918	Strand	+

Start	1218	End	1636
Name	OJ990414_11.9819.C17.o1.gs	Method	GENSCAN
Start	1394	End	1622
GI	none	Score	.57
Exons	1394..1622		

Seq. No.	24475	Seq. ID	OJ990414_11.9819.C18
Gene No.	50919	Strand	+
Start	323	End	1568
Name	OJ990414_11.9819.C18.o1.np	Method	AAT/NAP
Start	323	End	1568
GI	4585920	Score	1207
Exons	323..1568		
GI Descrip.	(AC007211) putative SCARECROW gene regulator [Arabidopsis thaliana] gi|6644392|gb|AAF21044.1|AF210732_1 (AF210732) scarecrow-like 21 [Arabidopsis thaliana]		

Seq. No.	24475	Seq. ID	OJ990414_11.9819.C18
Gene No.	50920	Strand	-
Start	2046	End	2506
Name	OJ990414_11.9819.C18.o3.tm	Method	TBLASTX:Maize
Start	170	End	450
GI	none	Score	114
Exons	170..268, 171..269, 246..296, 296..364, 297..365, 362..448, 363..449, 367..450		

Seq. No.	24475	Seq. ID	OJ990414_11.9819.C18
Gene No.	50920	Strand	-
Start	2046	End	2506
Name	OJ990414_11.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	269	End	1574
GI	none	Score	1223
Exons	269..370, 446..1213, 447..1574, 969..1274, 1307..1444		

Seq. No.	24475	Seq. ID	OJ990414_11.9819.C18
Gene No.	50920	Strand	-
Start	2046	End	2506
Name	OJ990414_11.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	453	End	1388
GI	none	Score	810
Exons	453..1388, 458..796, 1031..1219, 1041..1241, 1314..1376		

Seq. No.	24475	Seq. ID	OJ990414_11.9819.C18
Gene No.	50920	Strand	-
Start	2046	End	2506
Name	OJ990414_11.9819.C18.o2.tc	Method	TBLASTX:Cress
Start	453	End	854
GI	none	Score	186
Exons	453..647, 468..596, 521..643, 648..854, 650..853, 657..854		

Seq. No.	24475	Seq. ID	OJ990414_11.9819.C18
Gene No.	50920	Strand	-
Start	2046	End	2506
Name	OJ990414_11.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	831	End	1232
GI	none	Score	386
Exons	831..1232, 848..913, 1025..1207		

Seq. No.	24475	Seq. ID	OJ990414_11.9819.C18
Gene No.	50920	Strand	-
Start	2046	End	2506
Name	OJ990414_11.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	1002	End	1580
GI	none	Score	642
Exons	1002..1580, 1028..1219, 1307..1459		

Seq. No.	24475	Seq. ID	OJ990414_11.9819.C18
Gene No.	50920	Strand	-
Start	2046	End	2506
Name	OJ990414_11.9819.C18.o2.tw	Method	TBLASTX:Wheat
Start	1299	End	1481
GI	none	Score	244
Exons	1299..1481, 1307..1459, 1314..1481		

Seq. No.	24475	Seq. ID	OJ990414_11.9819.C18
Gene No.	50920	Strand	-
Start	2046	End	2506
Name	OJ990414_11.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	1389	End	1577
GI	none	Score	273
Exons	1389..1571, 1389..1577		

Seq. No.	24475	Seq. ID	OJ990414_11.9819.C18
Gene No.	50920	Strand	-
Start	2046	End	2506
Name	OJ990414_11.9819.C18.o2.gp	Method	AAT/GAP
Start	2046	End	2335
GI	3107123	Score	458
Exons	2046..2335		

Seq. No.	24475	Seq. ID	OJ990414_11.9819.C18
Gene No.	50920	Strand	-
Start	2046	End	2506
Name	OJ990414_11.9819.C18.o4.tm	Method	TBLASTX:Maize
Start	2130	End	2506
GI	none	Score	57
Exons	2130..2204, 2345..2488, 2347..2475, 2352..2498, 2353..2499, 2366..2506		

Seq. No.	24476	Seq. ID	OJ990414_11.9819.C19
Gene No.	50921	Strand	-
Start	202	End	670
Name	OJ990414_11.9819.C19.o1.gp	Method	AAT/GAP
Start	202	End	492
GI	3107123	Score	431
Exons	202..492		

Seq. No.	24476	Seq. ID	OJ990414_11.9819.C19
Gene No.	50921	Strand	-
Start	202	End	670
Name	OJ990414_11.9819.C19.o1.gs	Method	GENSCAN
Start	289	End	670
GI	none	Score	.74
Exons	289..460, 534..670		

Seq. No.	24476	Seq. ID	OJ990414_11.9819.C19
Gene No.	50921	Strand	-
Start	202	End	670
Name	OJ990414_11.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	509	End	669
GI	none	Score	172
Exons	509..664, 510..665, 523..669		

Seq. No.	24477	Seq. ID	OJ990414_11.9819.C20
Gene No.	50922	Strand	+
Start	1583	End	6455
Name	OJ990414_11.9819.C20.o1.np	Method	AAT/NAP
Start	1583	End	6455
GI	1076802	Score	229
Exons	1583..2047, 4369..4446, 5317..5829, 6377..6455		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	24477	Seq. ID	OJ990414_11.9819.C20
Gene No.	50923	Strand	-
Start	1543	End	6437
Name	OJ990414_11.9819.C20.o1.gs	Method	GENSCAN
Start	1543	End	6437
GI	none	Score	.71
Exons	1543..2045, 4234..4446, 5567..5737, 6395..6437		

Seq. No.	24478	Seq. ID	OJ990414_11.9819.C21
Gene No.	50924	Strand	-
Start	151	End	257
Name	OJ990414_11.9819.C21.o1.gs	Method	GENSCAN
Start	151	End	257
GI	none	Score	.49
Exons	151..257		

Seq. No.	24479	Seq. ID	OJ990414_11.9819.C24
Gene No.	50925	Strand	+
Start	267	End	407
Name	OJ990414_11.9819.C24.o1.gs	Method	GENSCAN
Start	267	End	407
GI	none	Score	.55
Exons	267..407		

Seq. No.	24480	Seq. ID	OJ990414_11.9819.C25
Gene No.	50926	Strand	+
Start	222	End	278
Name	OJ990414_11.9819.C25.o1.gs	Method	GENSCAN
Start	222	End	278
GI	none	Score	.76
Exons	222..278		

Seq. No.	24481	Seq. ID	OJ990414_11.9819.C26
Gene No.	50927	Strand	+
Start	109	End	268
Name	OJ990414_11.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	102	End	264

GI	none	Score	88
Exons	102..191, 112..174, 113..181, 178..264	155..262, 169..261, 174..263,	

Seq. No.	24481	Seq. ID	OJ990414_11.9819.C26
Gene No.	50927	Strand	+
Start	109	End	268
Name	OJ990414_11.9819.C26.o1.np	Method	AAT/NAP
Start	109	End	268
GI	3935171	Score	132
Exons	109..268		
GI Descrip.	(AC004557) F17L21.14 [Arabidopsis thaliana]		

Seq. No.	24481	Seq. ID	OJ990414_11.9819.C26
Gene No.	50927	Strand	+
Start	109	End	268
Name	OJ990414_11.9819.C26.o1.gp	Method	AAT/GAP
Start	113	End	263
GI	28754_1.R1084	Score	248
Exons	113..263		
GI Descrip.	'3935169 5.0e-12 (AC004557) F17L21.12 [Arabidopsis thaliana]'		

Seq. No.	24481	Seq. ID	OJ990414_11.9819.C26
Gene No.	50927	Strand	+
Start	109	End	268
Name	OJ990414_11.9819.C26.o1.gs	Method	GENSCAN
Start	138	End	263
GI	none	Score	.94
Exons	138..263		

Seq. No.	24482	Seq. ID	OJ990414_11.9819.C27
Gene No.	50928	Strand	-
Start	134	End	671
Name	OJ990414_11.9819.C27.o1.gs	Method	GENSCAN
Start	134	End	671
GI	none	Score	.56
Exons	134..267, 636..671		

Seq. No.	24483	Seq. ID	OJ990414_11.9819.C28
Gene No.	50929	Strand	-
Start	489	End	569
Name	OJ990414_11.9819.C28.o1.gs	Method	GENSCAN
Start	489	End	569
GI	none	Score	.53
Exons	489..569		

Seq. No.	24484	Seq. ID	OJ990304_05.9819.C1
Gene No.	50930	Strand	-
Start	1	End	1015
Name	OJ990304_05.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	978
GI	4490736	Score	269
Exons	1..156, 543..825, 917..978		
GI Descrip.	(AL035708) putative protein [Arabidopsis thaliana]		

Seq. No.	24484	Seq. ID	OJ990304_05.9819.C1
Gene No.	50930	Strand	-

Start	1	End	1015
Name	OJ990304_05.9819.C1.o1.gs	Method	GENSCAN
Start	24	End	1015
GI	none	Score	.54
Exons	24..130, 543..825, 917..1015		

Seq. No.	24485	Seq. ID	OJ990304_05.9819.C2
Gene No.	50931	Strand	-
Start	443	End	599
Name	OJ990304_05.9819.C2.o1.gs	Method	GENSCAN
Start	443	End	599
GI	none	Score	.83
Exons	443..599		

Seq. No.	24486	Seq. ID	OJ990304_05.9819.C3
Gene No.	50932	Strand	+
Start	1	End	629
Name	OJ990304_05.9819.C3.o1.gp	Method	AAT/GAP
Start	1	End	629
GI	34745_1.R1084	Score	1179
Exons	1..629		
GI Descrip.	'2529662 8.0e-16 (AC002535) putative small nuclear ribonucleoprotein, Sm D2 [Arabidopsis thaliana] >gi_3738278 (AC005309) putative small nuclear ribonucleoprotein, Sm D2 [Arabidopsis thaliana]'		

Seq. No.	24486	Seq. ID	OJ990304_05.9819.C3
Gene No.	50933	Strand	-
Start	284	End	934
Name	OJ990304_05.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	266	End	934
GI	none	Score	63
Exons	266..331, 267..356, 274..351, 326..379, 327..380, 333..470, 342..539, 437..616, 437..562, 519..614, 634..729, 635..730, 658..777, 847..867, 887..934		

Seq. No.	24486	Seq. ID	OJ990304_05.9819.C3
Gene No.	50933	Strand	-
Start	284	End	934
Name	OJ990304_05.9819.C3.o1.gs	Method	GENSCAN
Start	284	End	877
GI	none	Score	.58
Exons	284..877		

Seq. No.	24487	Seq. ID	OJ990304_05.9819.C4
Gene No.	50934	Strand	-
Start	332	End	544
Name	OJ990304_05.9819.C4.o1.gs	Method	GENSCAN
Start	332	End	544
GI	none	Score	.69
Exons	332..544		

Seq. No.	24488	Seq. ID	OJ990304_05.9819.C5
Gene No.	50935	Strand	-
Start	737	End	1213
Name	OJ990304_05.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	726	End	1205

GI	none	Score	129
Exons	726..896, 729..896, 754..897, 971..1051, 972..1052, 1106..1186, 1107..1205		

Seq. No.	24488	Seq. ID	OJ990304_05.9819.C5
Gene No.	50935	Strand	-
Start	737	End	1213
Name	OJ990304_05.9819.C5.o1.gs	Method	GENSCAN
Start	737	End	929
GI	none	Score	.41
Exons	737..929		

Seq. No.	24488	Seq. ID	OJ990304_05.9819.C5
Gene No.	50935	Strand	-
Start	737	End	1213
Name	OJ990304_05.9819.C5.o1.np	Method	AAT/NAP
Start	738	End	1213
GI	4490736	Score	345
Exons	738..898, 934..1068, 1102..1213		
GI Descrip.	(AL035708) putative protein [Arabidopsis thaliana]		

Seq. No.	24488	Seq. ID	OJ990304_05.9819.C5
Gene No.	50935	Strand	-
Start	737	End	1213
Name	OJ990304_05.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	862	End	1205
GI	none	Score	55
Exons	862..897, 864..896, 866..901, 971..1051, 972..1052, 973..1062, 1106..1195, 1106..1186, 1107..1205		

Seq. No.	24489	Seq. ID	OJ990304_05.9819.C6
Gene No.	50936	Strand	+
Start	1879	End	2413
Name	OJ990304_05.9819.C6.o1.gs	Method	GENSCAN
Start	1879	End	2192
GI	none	Score	.99
Exons	1879..1983, 2076..2192		

Seq. No.	24489	Seq. ID	OJ990304_05.9819.C6
Gene No.	50936	Strand	+
Start	1879	End	2413
Name	OJ990304_05.9819.C6.o1.np	Method	AAT/NAP
Start	1879	End	2189
GI	3738278	Score	303
Exons	1879..1983, 2076..2189		
GI Descrip.	(AC005309) putative small nuclear ribonucleoprotein D2 [Arabidopsis thaliana]		

Seq. No.	24489	Seq. ID	OJ990304_05.9819.C6
Gene No.	50936	Strand	+
Start	1879	End	2413
Name	OJ990304_05.9819.C6.o1.gp	Method	AAT/GAP
Start	2002	End	2413
GI	4716889	Score	502
Exons	2002..2413		
GI Descrip.	2529662 8.0e-16 (AC002535) putative small nuclear ribonucleoprotein, Sm D2 [Arabidopsis thaliana] >gi_3738278		

(AC005309) putative small nuclear ribonucleoprotein, Sm D2 [Arabidopsis thaliana]

Seq. No.	24489	Seq. ID	OJ990304_05.9819.C6
Gene No.	50937	Strand	+
Start	2975	End	4497
Name	OJ990304_05.9819.C6.o2.np	Method	AAT/NAP
Start	2975	End	4497
GI	4678208	Score	1455
Exons	2975..4497		
GI Descrip.	(AC007134) putative sugar transporter [Arabidopsis thaliana]		

Seq. No.	24489	Seq. ID	OJ990304_05.9819.C6
Gene No.	50938	Strand	-
Start	3080	End	4570
Name	OJ990304_05.9819.C6.o2.tc	Method	TBLASTX:Cress
Start	1850	End	2192
GI	none	Score	181
Exons	1850..1984, 1875..1985, 1879..1986, 2074..2184, 2075..2191, 2079..2192, 2088..2192		

Seq. No.	24489	Seq. ID	OJ990304_05.9819.C6
Gene No.	50938	Strand	-
Start	3080	End	4570
Name	OJ990304_05.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	1872	End	2194
GI	none	Score	106
Exons	1872..1985, 1875..1985, 1879..1986, 2075..2194, 2079..2192		

Seq. No.	24489	Seq. ID	OJ990304_05.9819.C6
Gene No.	50938	Strand	-
Start	3080	End	4570
Name	OJ990304_05.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	1876	End	2195
GI	none	Score	184
Exons	1876..2019, 1879..1986, 2074..2193, 2075..2194, 2075..2194, 2079..2195		

Seq. No.	24489	Seq. ID	OJ990304_05.9819.C6
Gene No.	50938	Strand	-
Start	3080	End	4570
Name	OJ990304_05.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	1878	End	2195
GI	none	Score	184
Exons	1878..1985, 1879..1986, 2074..2193, 2075..2194, 2079..2195		

Seq. No.	24489	Seq. ID	OJ990304_05.9819.C6
Gene No.	50938	Strand	-
Start	3080	End	4570
Name	OJ990304_05.9819.C6.o2.gs	Method	GENSCAN
Start	3080	End	4570
GI	none	Score	.99
Exons	3080..4074, 4087..4570		

Seq. No.	24489	Seq. ID	OJ990304_05.9819.C6
Gene No.	50938	Strand	-
Start	3080	End	4570

Name	OJ990304_05.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	3101	End	4423
GI	none	Score	807
Exons	3101..3769, 3115..3768, 3773..4024, 3775..4356, 3776..4423		

Seq. No.	24489	Seq. ID	OJ990304_05.9819.C6
Gene No.	50938	Strand	-
Start	3080	End	4570
Name	OJ990304_05.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	3101	End	3544
GI	none	Score	568
Exons	3101..3544, 3115..3543		

Seq. No.	24489	Seq. ID	OJ990304_05.9819.C6
Gene No.	50938	Strand	-
Start	3080	End	4570
Name	OJ990304_05.9819.C6.o4.tc	Method	TBLASTX:Cress
Start	3115	End	3360
GI	none	Score	248
Exons	3115..3360, 3116..3358		

Seq. No.	24489	Seq. ID	OJ990304_05.9819.C6
Gene No.	50938	Strand	-
Start	3080	End	4570
Name	OJ990304_05.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	3472	End	3756
GI	none	Score	339
Exons	3472..3756, 3473..3754		

Seq. No.	24489	Seq. ID	OJ990304_05.9819.C6
Gene No.	50938	Strand	-
Start	3080	End	4570
Name	OJ990304_05.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	3482	End	3940
GI	none	Score	476
Exons	3482..3940, 3529..3642, 3712..3915		

Seq. No.	24489	Seq. ID	OJ990304_05.9819.C6
Gene No.	50938	Strand	-
Start	3080	End	4570
Name	OJ990304_05.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	3544	End	4435
GI	none	Score	233
Exons	3544..3756, 3545..3757, 3760..4095, 3761..4096, 4124..4435, 4126..4356, 4358..4435		

Seq. No.	24489	Seq. ID	OJ990304_05.9819.C6
Gene No.	50938	Strand	-
Start	3080	End	4570
Name	OJ990304_05.9819.C6.o3.tc	Method	TBLASTX:Cress
Start	4214	End	4435
GI	none	Score	257
Exons	4214..4435, 4270..4368		

Seq. No.	24490	Seq. ID	OJ990304_05.9819.C7
Gene No.	50939	Strand	+
Start	270	End	1011

Name	OJ990304_05.9819.C7.o1.gs	Method	GENSCAN
Start	270	End	1011
GI	none	Score	.81
Exons	270..321, 683..1011		

Seq. No.	24490	Seq. ID	OJ990304_05.9819.C7
Gene No.	50940	Strand	-
Start	1979	End	4200
Name	OJ990304_05.9819.C7.o1.np	Method	AAT/NAP
Start	1972	End	2513
GI	6069646	Score	275
Exons	1972..2513		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	24490	Seq. ID	OJ990304_05.9819.C7
Gene No.	50940	Strand	-
Start	1979	End	4200
Name	OJ990304_05.9819.C7.o2.gs	Method	GENSCAN
Start	1979	End	3915
GI	none	Score	.61
Exons	1979..2313, 2777..2876, 3095..3265, 3371..3464, 3674..3915		

Seq. No.	24490	Seq. ID	OJ990304_05.9819.C7
Gene No.	50940	Strand	-
Start	1979	End	4200
Name	OJ990304_05.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	2003	End	2432
GI	none	Score	79
Exons	2003..2431, 2277..2432		

Seq. No.	24490	Seq. ID	OJ990304_05.9819.C7
Gene No.	50940	Strand	-
Start	1979	End	4200
Name	OJ990304_05.9819.C7.o2.np	Method	AAT/NAP
Start	2254	End	2453
GI	4539462	Score	50
Exons	2254..2453		
GI Descrip.	(AL049500) putative protein [Arabidopsis thaliana]		

Seq. No.	24490	Seq. ID	OJ990304_05.9819.C7
Gene No.	50940	Strand	-
Start	1979	End	4200
Name	OJ990304_05.9819.C7.o3.np	Method	AAT/NAP
Start	3065	End	4200
GI	3342242	Score	783
Exons	3065..3265, 3371..3464, 3674..3911, 3999..4200		
GI Descrip.	(AF030421) cell wall invertase; beta-fructofuranosidase; fructosidase [Triticum aestivum]		

Seq. No.	24490	Seq. ID	OJ990304_05.9819.C7
Gene No.	50940	Strand	-
Start	1979	End	4200
Name	OJ990304_05.9819.C7.o1.tm	Method	TBLASTX:Maize

Start	3072	End	4159
GI	none	Score	130
Exons	3072..3239, 3089..3238, 3182..3265, 3183..3266, 3386..3472, 3393..3464, 3599..3793, 3664..3723, 3691..3792, 3774..3917, 3790..3918, 3791..3919, 4000..4155, 4001..4159		

Seq. No.	24490	Seq. ID	OJ990304_05.9819.C7
Gene No.	50940	Strand	-
Start	1979	End	4200
Name	OJ990304_05.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	3072	End	4159
GI	none	Score	130
Exons	3072..3239, 3089..3238, 3182..3265, 3183..3266, 3386..3472, 3393..3464, 3599..3793, 3664..3723, 3691..3792, 3790..3918, 3791..3919, 4000..4155, 4001..4159, 4001..4156		

Seq. No.	24490	Seq. ID	OJ990304_05.9819.C7
Gene No.	50940	Strand	-
Start	1979	End	4200
Name	OJ990304_05.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	3101	End	4155
GI	none	Score	86
Exons	3101..3265, 3108..3266, 3718..3918, 4003..4155		

Seq. No.	24491	Seq. ID	OJ990304_05.9819.C8
Gene No.	50941	Strand	-
Start	141	End	772
Name	OJ990304_05.9819.C8.o1.gs	Method	GENSCAN
Start	141	End	772
GI	none	Score	.76
Exons	141..381, 465..772		

Seq. No.	24492	Seq. ID	OJ990304_05.9819.C10
Gene No.	50942	Strand	+
Start	2759	End	5915
Name	OJ990304_05.9819.C10.o2.np	Method	AAT/NAP
Start	2759	End	5915
GI	3914212	Score	2862
Exons	2759..5915		
GI Descrip.	5-OXOPROLINASE (5-OXO-L-PROLINASE) (PYROGLUTAMASE) (5-OPASE) gi|1732065 (U70825) 5-oxo-L-prolinase [Rattus norvegicus]		

Seq. No.	24492	Seq. ID	OJ990304_05.9819.C10
Gene No.	50942	Strand	+
Start	2759	End	5915
Name	OJ990304_05.9819.C10.o1.gp	Method	AAT/GAP
Start	4206	End	4702
GI	uC-osflm202111d01b1	Score	963
Exons	4206..4702		
GI Descrip.	'3914212/sp|P97608|OPLA_RAT 2.0e-32 5-OXOPROLINASE (5-OXO-L-PROLINASE) (PYROGLUTAMASE) (5-OPASE) >gi_1732065 (U70825) 5-oxo-L-prolinase [Rattus norvegicus]'		

Seq. No.	24492	Seq. ID	OJ990304_05.9819.C10
Gene No.	50943	Strand	-
Start	1194	End	2943
Name	OJ990304_05.9819.C10.o1.np	Method	AAT/NAP

Start	1194	End	2943
GI	6562258	Score	166
Exons	1194..1560, 2909..2943		
GI Descrip.	(AL132980) putative protein [Arabidopsis thaliana]		

Seq. No.	24492	Seq. ID	OJ990304_05.9819.C10
Gene No.	50943	Strand	-
Start	1194	End	2943
Name	OJ990304_05.9819.C10.o4.ts	Method	TBLASTX:Soybean
Start	1365	End	1529
GI	4301121	Score	148
Exons	1365..1529, 1366..1515		
GI Descrip.	882341 3.0e-21 (U24702) LRP1 [Arabidopsis thaliana]		

Seq. No.	24492	Seq. ID	OJ990304_05.9819.C10
Gene No.	50943	Strand	-
Start	1194	End	2943
Name	OJ990304_05.9819.C10.o2.tc	Method	TBLASTX:Cress
Start	1374	End	1533
GI	none	Score	108
Exons	1374..1532, 1381..1533		

Seq. No.	24492	Seq. ID	OJ990304_05.9819.C10
Gene No.	50944	Strand	
Start	2975	End	3416
Name	OJ990304_05.9819.C10.o3.ts	Method	TBLASTX:Soybean
Start	2975	End	3148
GI	5175354	Score	224
Exons	2975..3148, 2975..3112, 2977..3141		
GI Descrip.	3914212/sp_P97608_OPLA_RAT 4.0e-13 5-OXOPROLINASE (5-OXO-L-PROLINASE) (PYROGLUTAMASE) (5-OPASE) >gi_1732065 (U70825) 5-oxo-L-prolinase [Rattus norvegicus]		

Seq. No.	24492	Seq. ID	OJ990304_05.9819.C10
Gene No.	50944	Strand	
Start	2975	End	3416
Name	OJ990304_05.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	3031	End	3416
GI	none	Score	181
Exons	3031..3144, 3032..3148, 3221..3412, 3224..3415, 3226..3414, 3261..3416		

Seq. No.	24492	Seq. ID	OJ990304_05.9819.C10
Gene No.	50945	Strand	
Start	3332	End	3853
Name	OJ990304_05.9819.C10.o4.tm	Method	TBLASTX:Maize
Start	3332	End	3853
GI	none	Score	164
Exons	3332..3541, 3512..3667, 3559..3654, 3695..3790, 3697..3783, 3817..3840, 3818..3853		

Seq. No.	24492	Seq. ID	OJ990304_05.9819.C10
Gene No.	50946	Strand	
Start	3892	End	4072
Name	OJ990304_05.9819.C10.o5.ts	Method	TBLASTX:Soybean
Start	3892	End	4072
GI	none	Score	199

Exons	3892..4050, 3893..4072		
Seq. No.	24492	Seq. ID	OJ990304_05.9819.C10
Gene No.	50947	Strand	
Start	4366	End	4770
Name	OJ990304_05.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	4366	End	4770
GI	none	Score	574
Exons	4366..4770, 4367..4768		
Seq. No.	24492	Seq. ID	OJ990304_05.9819.C10
Gene No.	50948	Strand	
Start	4993	End	5310
Name	OJ990304_05.9819.C10.o3.tm	Method	TBLASTX:Maize
Start	4993	End	5310
GI	none	Score	497
Exons	4993..5310, 4994..5308, 4996..5310		
Seq. No.	24492	Seq. ID	OJ990304_05.9819.C10
Gene No.	50949	Strand	
Start	5319	End	5870
Name	OJ990304_05.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	5319	End	5572
GI	none	Score	214
Exons	5319..5429, 5320..5460, 5321..5470, 5482..5559, 5483..5572		
Seq. No.	24492	Seq. ID	OJ990304_05.9819.C10
Gene No.	50949	Strand	
Start	5319	End	5870
Name	OJ990304_05.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	5389	End	5870
GI	none	Score	710
Exons	5389..5868, 5390..5869, 5390..5869, 5697..5870		
Seq. No.	24492	Seq. ID	OJ990304_05.9819.C10
Gene No.	50949	Strand	
Start	5319	End	5870
Name	OJ990304_05.9819.C10.o2.ts	Method	TBLASTX:Soybean
Start	5690	End	5869
GI	none	Score	236
Exons	5690..5869, 5697..5837, 5737..5868		
Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50950	Strand	+
Start	1	End	6658
Name	OJ990304_05.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	703
GI	3914212	Score	610
Exons	1..703		
GI Descrip.	5-OXOPROLINASE (5-OXO-L-PROLINASE) (PYROGLUTAMASE) (5-OPASE). gi|1732065 (U70825) 5-oxo-L-prolinase [Rattus norvegicus]		
Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50950	Strand	+
Start	1	End	6658
Name	OJ990304_05.9819.C11.o4.np	Method	AAT/NAP
Start	1	End	5912

GI	6069646	Score	444
Exons	1..23, 4520..5122, 5670..5912		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50950	Strand	+
Start	1	End	6658
Name	OJ990304_05.9819.C11.o1.gp	Method	AAT/GAP
Start	280	End	826
GI	29830_1.R1084	Score	997
Exons	280..826		
GI Descrip.	'3914212/sp|P97608|OPLA_RAT 1.0e-23 5-OXOPROLINASE (5-OXO-L-PROLINASE) (PYROGLUTAMASE) (5-OPASE) >gi_1732065 (U70825) 5-oxo-L-prolinase [Rattus norvegicus]'		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50950	Strand	+
Start	1	End	6658
Name	OJ990304_05.9819.C11.o2.np	Method	AAT/NAP
Start	324	End	6422
GI	114330	Score	447
Exons	324..361, 2254..2324, 2414..2620, 2707..2829, 5526..5631, 6396..6422		
GI Descrip.	PLASMA MEMBRANE ATPASE 1 (PROTON PUMP) gi|67972|pir||PXMUP1 H+-transporting ATPase (EC 3.6.1.35) type 1, plasma membrane - Arabidopsis thaliana gi|166746 (M24107) plasma membrane proton pump H+ ATPase [Arabidopsis thaliana]		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50950	Strand	+
Start	1	End	6658
Name	OJ990304_05.9819.C11.o3.np	Method	AAT/NAP
Start	2794	End	3110
GI	170292	Score	99
Exons	2794..3110		
GI Descrip.	(M80492) plasma membrane H+ ATPase [Nicotiana plumbaginifolia]		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50950	Strand	+
Start	1	End	6658
Name	OJ990304_05.9819.C11.o2.gs	Method	GENSCAN
Start	4069	End	6635
GI	none	Score	.78
Exons	4069..4253, 4346..4429, 4857..4974, 5163..5281, 6104..6143, 6238..6306, 6396..6635		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50950	Strand	+
Start	1	End	6658
Name	OJ990304_05.9819.C11.o2.gp	Method	AAT/GAP
Start	4194	End	6658
GI	none	Score	908
Exons	4194..4253, 4346..4429, 6104..6143, 6238..6306, 6396..6658		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50951	Strand	+
Start	8285	End	8836
Name	OJ990304_05.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	2	End	319
GI	none	Score	534
Exons	2..157, 3..317, 3..311, 212..319		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50951	Strand	+
Start	8285	End	8836
Name	OJ990304_05.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	2	End	329
GI	none	Score	466
Exons	2..157, 3..329, 6..302, 212..322		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50951	Strand	+
Start	8285	End	8836
Name	OJ990304_05.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	321	End	638
GI	none	Score	384
Exons	321..638, 321..638		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50951	Strand	+
Start	8285	End	8836
Name	OJ990304_05.9819.C11.o3.tc	Method	TBLASTX:Cress
Start	417	End	602
GI	none	Score	275
Exons	417..602, 417..599, 497..601		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50951	Strand	+
Start	8285	End	8836
Name	OJ990304_05.9819.C11.o5.tm	Method	TBLASTX:Maize
Start	1034	End	1292
GI	none	Score	86
Exons	1034..1291, 1146..1292		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50951	Strand	+
Start	8285	End	8836
Name	OJ990304_05.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	1370	End	5032
GI	none	Score	77
Exons	1370..1681, 1394..1537, 4745..5032		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50951	Strand	+
Start	8285	End	8836
Name	OJ990304_05.9819.C11.o4.tm	Method	TBLASTX:Maize
Start	1394	End	5804
GI	none	Score	91
Exons	1394..1537, 4721..4885, 4894..5133, 4895..5122, 5721..5804		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50951	Strand	+
Start	8285	End	8836
Name	OJ990304_05.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	2256	End	3085
GI	none	Score	112
Exons	2256..2330, 2264..2326, 2403..2525, 2411..2620, 2413..2619, 2414..2620, 2703..2777, 2703..2828, 2704..2829, 2927..2965, 2931..3020, 3014..3085, 3027..3056		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50951	Strand	+
Start	8285	End	8836
Name	OJ990304_05.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	2256	End	3056
GI	none	Score	108
Exons	2256..2330, 2258..2317, 2411..2620, 2413..2619, 2432..2620, 2476..2622, 2703..2831, 2704..2829, 2931..3020, 2931..3038, 3018..3056, 3020..3055		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50951	Strand	+
Start	8285	End	8836
Name	OJ990304_05.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	2256	End	2831
GI	none	Score	112
Exons	2256..2330, 2258..2326, 2411..2620, 2413..2619, 2426..2620, 2434..2622, 2697..2828, 2703..2831, 2704..2829		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50951	Strand	+
Start	8285	End	8836
Name	OJ990304_05.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	2276	End	2831
GI	none	Score	73
Exons	2276..2317, 2277..2330, 2411..2620, 2413..2619, 2703..2828, 2703..2831, 2704..2829		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50951	Strand	+
Start	8285	End	8836
Name	OJ990304_05.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	6117	End	6632
GI	none	Score	47
Exons	6117..6146, 6235..6330, 6240..6305, 6393..6632, 6393..6473, 6395..6631, 6579..6632		

Seq. No.	24493	Seq. ID	OJ990304_05.9819.C11
Gene No.	50951	Strand	+
Start	8285	End	8836
Name	OJ990304_05.9819.C11.o3.gs	Method	GENSCAN
Start	8285	End	8836
GI	none	Score	1
Exons	8285..8836		

Seq. No.	24494	Seq. ID	OJ990304_05.9819.C13
Gene No.	50952	Strand	+

Start	1	End	1110
Name	OJ990304_05.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	1110
GI	4490736	Score	651
Exons	1..110, 219..395, 457..646, 683..926, 962..1110		
GI Descrip.	(AL035708) putative protein [Arabidopsis thaliana]		

Seq. No.	24494	Seq. ID	OJ990304_05.9819.C13
Gene No.	50952	Strand	+
Start	1	End	1110
Name	OJ990304_05.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	4	End	998
GI	none	Score	98
Exons	4..87, 7..87, 8..97, 75..107, 76..168, 225..377, 226..381, 441..530, 457..531, 458..535, 458..535, 678..887, 691..888, 698..889, 707..889, 959..994, 963..995, 963..998, 964..996		

Seq. No.	24494	Seq. ID	OJ990304_05.9819.C13
Gene No.	50952	Strand	+
Start	1	End	1110
Name	OJ990304_05.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	224	End	1108
GI	none	Score	110
Exons	224..376, 225..371, 225..377, 226..381, 457..531, 458..535, 458..535, 687..866, 697..867, 697..888, 707..889, 963..1106, 964..1107, 974..1108		

Seq. No.	24494	Seq. ID	OJ990304_05.9819.C13
Gene No.	50952	Strand	+
Start	1	End	1110
Name	OJ990304_05.9819.C13.o1.gs	Method	GENSCAN
Start	286	End	892
GI	none	Score	.77
Exons	286..374, 460..532, 707..892		

Seq. No.	24495	Seq. ID	OJ990304_05.9819.C14
Gene No.	50953	Strand	+
Start	731	End	796
Name	OJ990304_05.9819.C14.o1.gs	Method	GENSCAN
Start	731	End	796
GI	none	Score	.86
Exons	731..796		

Seq. No.	24496	Seq. ID	OJ990304_05.9819.C15
Gene No.	50954	Strand	+
Start	201	End	628
Name	OJ990304_05.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	185	End	492
GI	none	Score	288
Exons	185..382, 192..383, 201..383, 453..488, 457..492, 458..490		

Seq. No.	24496	Seq. ID	OJ990304_05.9819.C15
Gene No.	50954	Strand	+
Start	201	End	628
Name	OJ990304_05.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	191	End	628
GI	none	Score	91

Exons	191..361, 191..382, 201..383, 457..600, 458..628, 468..608		
Seq. No.	24496	Seq. ID	OJ990304_05.9819.C15
Gene No.	50954	Strand	+
Start	201	End	628
Name	OJ990304_05.9819.C15.o1.np	Method	AAT/NAP
Start	201	End	620
GI	4490736	Score	397
Exons	201..420, 456..620		
GI Descrip.	(AL035708) putative protein [Arabidopsis thaliana]		
Seq. No.	24496	Seq. ID	OJ990304_05.9819.C15
Gene No.	50954	Strand	+
Start	201	End	628
Name	OJ990304_05.9819.C15.o1.gs	Method	GENSCAN
Start	425	End	617
GI	none	Score	.79
Exons	425..617		
Seq. No.	24497	Seq. ID	OJ990304_05.9819.C16
Gene No.	50955	Strand	+
Start	251	End	3256
Name	OJ990304_05.9819.C16.o1.gs	Method	GENSCAN
Start	251	End	3222
GI	none	Score	.81
Exons	251..372, 1228..2084, 3014..3222		
Seq. No.	24497	Seq. ID	OJ990304_05.9819.C16
Gene No.	50955	Strand	+
Start	251	End	3256
Name	OJ990304_05.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	261	End	3251
GI	none	Score	168
Exons	261..371, 262..369, 263..370, 1226..2089, 1227..2084, 1438..2085, 2761..2928, 2762..2929, 3010..3138, 3011..3139, 3012..3155, 3136..3204, 3137..3223, 3206..3247, 3207..3251		
Seq. No.	24497	Seq. ID	OJ990304_05.9819.C16
Gene No.	50955	Strand	+
Start	251	End	3256
Name	OJ990304_05.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	261	End	3251
GI	none	Score	168
Exons	261..371, 262..375, 262..369, 263..370, 1226..2089, 1227..2084, 1438..2085, 1943..2086, 2761..2928, 2762..2929, 3010..3138, 3011..3139, 3136..3204, 3137..3223, 3206..3247, 3207..3251		
Seq. No.	24497	Seq. ID	OJ990304_05.9819.C16
Gene No.	50955	Strand	+
Start	251	End	3256
Name	OJ990304_05.9819.C16.o1.tc	Method	TBLASTX:Cress
Start	306	End	3247
GI	none	Score	83
Exons	306..371, 1221..1340, 1223..1561, 1227..1559, 1569..1814, 1587..1772, 1833..1859, 1866..1919, 1874..2080, 1950..2081, 2762..2866, 2770..2865, 3011..3079, 3086..3220, 3118..3201, 3197..3247		

Seq. No.	24497	Seq. ID	OJ990304_05.9819.C16
Gene No.	50955	Strand	+
Start	251	End	3256
Name	OJ990304_05.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	1223	End	1451
GI	none	Score	119
Exons	1223..1297, 1227..1298, 1292..1450, 1293..1451		

Seq. No.	24497	Seq. ID	OJ990304_05.9819.C16
Gene No.	50955	Strand	+
Start	251	End	3256
Name	OJ990304_05.9819.C16.o1.np	Method	AAT/NAP
Start	1365	End	3256
GI	3342242	Score	1517
Exons	1365..2084, 2768..2930, 3018..3256		
GI Descrip.	(AF030421) cell wall invertase; beta-fructofuranosidase; fructosidase [Triticum aestivum]		

Seq. No.	24498	Seq. ID	OJ990304_05.9819.C17
Gene No.	50956	Strand	+
Start	697	End	9529
Name	OJ990304_05.9819.C17.o1.gs	Method	GENSCAN
Start	697	End	9489
GI	none	Score	.87
Exons	697..854, 1107..1205, 2331..2429, 2521..2803, 3348..3443, 4429..4626, 4905..5359, 5858..5996, 6069..6147, 6720..6940, 7092..7396, 7483..7594, 7719..7838, 7967..8105, 8145..8253, 8767..8857, 8974..9098, 9182..9331, 9417..9489		

Seq. No.	24498	Seq. ID	OJ990304_05.9819.C17
Gene No.	50956	Strand	+
Start	697	End	9529
Name	OJ990304_05.9819.C17.o1.np	Method	AAT/NAP
Start	2368	End	9529
GI	4490736	Score	2716
Exons	2368..2429, 2521..2825, 3170..3202, 3274..3443, 4429..4626, 4905..5359, 5858..5996, 6069..6147, 6762..6977, 7070..7396, 7483..7622, 7692..8066, 8145..8253, 8767..8857, 8974..9100, 9175..9352, 9414..9529		
GI Descrip.	(AL035708) putative protein [Arabidopsis thaliana]		

Seq. No.	24498	Seq. ID	OJ990304_05.9819.C17
Gene No.	50956	Strand	+
Start	697	End	9529
Name	OJ990304_05.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	4417	End	9492
GI	none	Score	77
Exons	4417..4587, 4905..5174, 8764..8859, 8765..8860, 8769..8861, 8968..9099, 8973..9101, 8973..9101, 9182..9334, 9183..9338, 9414..9488, 9414..9488, 9415..9492, 9415..9492		

Seq. No.	24498	Seq. ID	OJ990304_05.9819.C17
Gene No.	50956	Strand	+
Start	697	End	9529
Name	OJ990304_05.9819.C17.o3.ts	Method	TBLASTX:Soybean
Start	4453	End	9515

GI	none	Score	61
Exons	4453..4587, 4905..5027, 6063..6149, 8973..9107, 8974..9099, 9181..9333, 9182..9334, 9183..9338, 9414..9515, 9415..9492		

Seq. No.	24498	Seq. ID	OJ990304_05.9819.C17
Gene No.	50956	Strand	+
Start	697	End	9529
Name	OJ990304_05.9819.C17.o2.ts	Method	TBLASTX:Soybean
Start	5028	End	5373
GI	none	Score	401
Exons	5028..5324, 5030..5359, 5044..5373, 5117..5356		

Seq. No.	24498	Seq. ID	OJ990304_05.9819.C17
Gene No.	50956	Strand	+
Start	697	End	9529
Name	OJ990304_05.9819.C17.o2.tm	Method	TBLASTX:Maize
Start	6063	End	7379
GI	none	Score	60
Exons	6063..6155, 6716..6811, 6718..6810, 6829..6876, 6830..6910, 7092..7361, 7098..7295, 7141..7317, 7142..7327, 7359..7379		

Seq. No.	24498	Seq. ID	OJ990304_05.9819.C17
Gene No.	50956	Strand	+
Start	697	End	9529
Name	OJ990304_05.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	6794	End	7346
GI	none	Score	207
Exons	6794..6946, 6796..6960, 6796..6876, 7092..7346, 7136..7339		

Seq. No.	24498	Seq. ID	OJ990304_05.9819.C17
Gene No.	50956	Strand	+
Start	697	End	9529
Name	OJ990304_05.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	7087	End	7405
GI	none	Score	121
Exons	7087..7395, 7089..7397, 7091..7387, 7092..7397, 7136..7405		

Seq. No.	24498	Seq. ID	OJ990304_05.9819.C17
Gene No.	50956	Strand	+
Start	697	End	9529
Name	OJ990304_05.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	7139	End	7361
GI	none	Score	233
Exons	7139..7327, 7140..7361		

Seq. No.	24498	Seq. ID	OJ990304_05.9819.C17
Gene No.	50956	Strand	+
Start	697	End	9529
Name	OJ990304_05.9819.C17.o4.ts	Method	TBLASTX:Soybean
Start	7773	End	8199
GI	none	Score	69
Exons	7773..7850, 7803..7850, 7966..8067, 7967..8068, 7979..8068, 8123..8188, 8138..8197, 8143..8199		

Seq. No.	24499	Seq. ID	OJ990304_05.9819.C18
Gene No.	50957	Strand	+
Start	827	End	2245

Name	OJ990304_05.9819.C18.o1.gs	Method	GENSCAN
Start	827	End	2245
GI	none	Score	.61
Exons	827..973, 1064..1270, 1875..1978, 2159..2245		

Seq. No.	24499	Seq. ID	OJ990304_05.9819.C18
Gene No.	50957	Strand	+
Start	827	End	2245
Name	OJ990304_05.9819.C18.o1.np	Method	AAT/NAP
Start	858	End	1619
GI	4490736	Score	464
Exons	858..973, 1064..1270, 1453..1619		
GI Descrip.	(AL035708) putative protein [Arabidopsis thaliana]		

Seq. No.	24499	Seq. ID	OJ990304_05.9819.C18
Gene No.	50958	Strand	+
Start	5127	End	8272
Name	OJ990304_05.9819.C18.o3.gs	Method	GENSCAN
Start	5127	End	8272
GI	none	Score	.5
Exons	5127..5165, 5205..5465, 5557..5853, 5943..6110, 6281..6448, 6541..6621, 6732..6798, 7214..7311, 7553..7625, 7714..7784, 7901..7950, 8033..8145, 8229..8272		

Seq. No.	24499	Seq. ID	OJ990304_05.9819.C18
Gene No.	50958	Strand	+
Start	5127	End	8272
Name	OJ990304_05.9819.C18.o2.np	Method	AAT/NAP
Start	5176	End	8272
GI	2062155	Score	863
Exons	5176..5465, 5557..5853, 5943..6110, 6281..6448, 6541..6621, 6732..6798, 7214..7311, 7644..7784, 7901..7950, 8033..8145, 8229..8272		
GI Descrip.	(AC001645) mitochondrial processing peptidase alpha subunit precusor isolog [Arabidopsis thaliana]		

Seq. No.	24499	Seq. ID	OJ990304_05.9819.C18
Gene No.	50958	Strand	+
Start	5127	End	8272
Name	OJ990304_05.9819.C18.o1.gp	Method	AAT/GAP
Start	6021	End	7608
GI	61106_1.R1084	Score	1008
Exons	6021..6110, 6281..6448, 6541..6621, 6732..6798, 7214..7311, 7553..7608		
GI Descrip.	'266567/sp|P29677|MPPA_SOLTU 4.0e-48 MITOCHONDRIAL PROCESSING PEPTIDASE ALPHA SUBUNIT PRECURSOR (ALPHA-MPP) (UBIQUINOL-CYTOCHROME C REDUCTASE SUBUNIT II) >gi_421956_pir__S23558 mitochondrial processing peptidase (EC 3.4.99.41) alpha chain precursor - potato >gi_21493_emb_CAA46990_ (X66284) mitochondrial processing peptidase [Solanum tuberosum]'		

Seq. No.	24499	Seq. ID	OJ990304_05.9819.C18
Gene No.	50959	Strand	+
Start	8265	End	8617
Name	OJ990304_05.9819.C18.o2.gp	Method	AAT/GAP
Start	8265	End	8617

GI	4716805	Score	615
Exons	8265..8617		

Seq. No.	24499	Seq. ID	OJ990304_05.9819.C18
Gene No.	50960	Strand	+
Start	8775	End	9299
Name	OJ990304_05.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	834	End	1968
GI	none	Score	151
Exons	834..974, 835..957, 866..1003, 877..1005, 1062..1256, 1063..1257, 1067..1258, 1434..1619, 1445..1606, 1450..1608, 1761..1814, 1762..1815, 1763..1813, 1897..1968, 1898..1954		

Seq. No.	24499	Seq. ID	OJ990304_05.9819.C18
Gene No.	50960	Strand	+
Start	8775	End	9299
Name	OJ990304_05.9819.C18.o3.ts	Method	TBLASTX:Soybean
Start	1066	End	1272
GI	none	Score	119
Exons	1066..1152, 1077..1151, 1144..1242, 1152..1241, 1152..1271, 1153..1272		

Seq. No.	24499	Seq. ID	OJ990304_05.9819.C18
Gene No.	50960	Strand	+
Start	8775	End	9299
Name	OJ990304_05.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	5301	End	6101
GI	none	Score	101
Exons	5301..5465, 5560..5856, 5584..5880, 5961..6101, 5978..6070		

Seq. No.	24499	Seq. ID	OJ990304_05.9819.C18
Gene No.	50960	Strand	+
Start	8775	End	9299
Name	OJ990304_05.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	5355	End	8153
GI	none	Score	109
Exons	5355..5456, 5551..5856, 5607..5855, 5940..6104, 6281..6445, 6289..6474, 6543..6617, 6544..6639, 6731..6829, 7215..7310, 7216..7311, 7532..7624, 7558..7620, 7712..7852, 7713..7790, 7903..7953, 7904..7951, 7956..8153, 8031..8144		

Seq. No.	24499	Seq. ID	OJ990304_05.9819.C18
Gene No.	50960	Strand	+
Start	8775	End	9299
Name	OJ990304_05.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	5355	End	6104
GI	none	Score	99
Exons	5355..5465, 5560..5856, 5607..5843, 5737..5853, 5955..6104		

Seq. No.	24499	Seq. ID	OJ990304_05.9819.C18
Gene No.	50960	Strand	+
Start	8775	End	9299
Name	OJ990304_05.9819.C18.o2.ts	Method	TBLASTX:Soybean
Start	6274	End	6799
GI	none	Score	157
Exons	6274..6474, 6281..6460, 6540..6638, 6540..6614, 6544..6639, 6730..6795, 6731..6799		

Seq. No.	24499	Seq. ID	OJ990304_05.9819.C18
Gene No.	50960	Strand	+
Start	8775	End	9299
Name	OJ990304_05.9819.C18.o4.ts	Method	TBLASTX:Soybean
Start	7216	End	8132
GI	none	Score	91
Exons	7216..7311, 7558..7629, 7559..7624, 7561..7629, 7712..7846, 7713..7790, 7898..7951, 7903..7953, 8030..8131, 8031..8132		

Seq. No.	24499	Seq. ID	OJ990304_05.9819.C18
Gene No.	50960	Strand	+
Start	8775	End	9299
Name	OJ990304_05.9819.C18.o3.gp	Method	AAT/GAP
Start	8775	End	9299
GI	34745_1.R1084	Score	849
Exons	8775..9156, 9205..9299		
GI Descrip.	'2529662 8.0e-16 (AC002535) putative small nuclear ribonucleoprotein, Sm D2 [Arabidopsis thaliana] >gi_3738278 (AC005309) putative small nuclear ribonucleoprotein, Sm D2 [Arabidopsis thaliana]'		

Seq. No.	24500	Seq. ID	OJ990304_05.9819.C19
Gene No.	50961	Strand	+
Start	1	End	190
Name	OJ990304_05.9819.C19.o1.gp	Method	AAT/GAP
Start	1	End	190
GI	34745_1.R1084	Score	367
Exons	1..190		
GI Descrip.	'2529662 8.0e-16 (AC002535) putative small nuclear ribonucleoprotein, Sm D2 [Arabidopsis thaliana] >gi_3738278 (AC005309) putative small nuclear ribonucleoprotein, Sm D2 [Arabidopsis thaliana]'		

Seq. No.	24500	Seq. ID	OJ990304_05.9819.C19
Gene No.	50962	Strand	+
Start	2205	End	7804
Name	OJ990304_05.9819.C19.o2.gs	Method	GENSCAN
Start	2205	End	7804
GI	none	Score	.58
Exons	2205..2566, 2843..2982, 3036..3147, 5296..5475, 6936..7016, 7552..7673, 7698..7804		

Seq. No.	24500	Seq. ID	OJ990304_05.9819.C19
Gene No.	50962	Strand	+
Start	2205	End	7804
Name	OJ990304_05.9819.C19.o2.gp	Method	AAT/GAP
Start	2891	End	5704
GI	33042_1.R1084	Score	1131
Exons	2891..2983, 4454..4505, 4935..4974, 5055..5139, 5296..5704		
GI Descrip.	'6006892/gb|AAF00667.1|AC008153_19 2.0e-57 (AC008153) unknown protein [Arabidopsis thaliana]'		

Seq. No.	24500	Seq. ID	OJ990304_05.9819.C19
Gene No.	50962	Strand	+
Start	2205	End	7804
Name	OJ990304_05.9819.C19.o1.np	Method	AAT/NAP

Start	4408	End	5476
GI	6006892	Score	449
Exons	4408..4505, 4935..4974, 5055..5139, 5296..5476		
GI Descrip.	(AC008153) unknown protein [Arabidopsis thaliana]		

Seq. No.	24500	Seq. ID	OJ990304_05.9819.C19
Gene No.	50962	Strand	+
Start	2205	End	7804
Name	OJ990304_05.9819.C19.o2.np	Method	AAT/NAP
Start	7488	End	7682
GI	480566	Score	75
Exons	7488..7682		
GI Descrip.	beta-fructofuranosidase (EC 3.2.1.26) - potato gi|397631|emb|CAA80358| (Z22645) beta-fructofuranosidase [Solanum tuberosum]		

Seq. No.	24500	Seq. ID	OJ990304_05.9819.C19
Gene No.	50963	Strand	-
Start	46	End	2647
Name	OJ990304_05.9819.C19.o1.gs	Method	GENSCAN
Start	46	End	1998
GI	none	Score	.7
Exons	46..474, 543..623, 945..1040, 1141..1205, 1728..1809, 1897..1998		

Seq. No.	24500	Seq. ID	OJ990304_05.9819.C19
Gene No.	50963	Strand	-
Start	46	End	2647
Name	OJ990304_05.9819.C19.o3.tm	Method	TBLASTX:Maize
Start	80	End	798
GI	none	Score	67
Exons	80..175, 195..290, 219..338, 361..486, 406..510, 538..624, 540..605, 542..625, 555..626, 712..798, 723..791, 724..792		

Seq. No.	24500	Seq. ID	OJ990304_05.9819.C19
Gene No.	50963	Strand	-
Start	46	End	2647
Name	OJ990304_05.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	1581	End	2647
GI	none	Score	65
Exons	1581..1637, 1582..1638, 1582..1638, 1718..1864, 1719..1811, 1723..1815, 1888..1977, 1894..1995, 1895..1990, 1896..1991, 2361..2423, 2374..2439, 2376..2450, 2540..2647, 2550..2636		

Seq. No.	24500	Seq. ID	OJ990304_05.9819.C19
Gene No.	50963	Strand	-
Start	46	End	2647
Name	OJ990304_05.9819.C19.o2.ts	Method	TBLASTX:Soybean
Start	1581	End	1995
GI	none	Score	39
Exons	1581..1628, 1582..1638, 1718..1810, 1723..1809, 1894..1995, 1895..1972		

Seq. No.	24500	Seq. ID	OJ990304_05.9819.C19
Gene No.	50963	Strand	-
Start	46	End	2647
Name	OJ990304_05.9819.C19.o2.tc	Method	TBLASTX:Cress
Start	1718	End	2581

GI	none	Score	67
Exons	1718..1837, 1723..1809, 1894..1995, 1895..1978, 2361..2423, 2540..2581		
Seq. No.	24500	Seq. ID	OJ990304_05.9819.C19
Gene No.	50963	Strand	-
Start	46	End	2647
Name	OJ990304_05.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	1738	End	2439
GI	none	Score	84
Exons	1738..1812, 1738..1815, 1742..1837, 1894..1995, 1895..1999, 2358..2423, 2374..2439		
Seq. No.	24500	Seq. ID	OJ990304_05.9819.C19
Gene No.	50964	Strand	
Start	4454	End	5732
Name	OJ990304_05.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	4454	End	5732
GI	none	Score	71
Exons	4454..4504, 4455..4505, 4917..4973, 4934..4972, 5044..5142, 5051..5143, 5296..5478, 5297..5479, 5533..5589, 5694..5732		
Seq. No.	24500	Seq. ID	OJ990304_05.9819.C19
Gene No.	50964	Strand	
Start	4454	End	5732
Name	OJ990304_05.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	4455	End	5482
GI	none	Score	73
Exons	4455..4505, 4917..5006, 5044..5142, 5051..5143, 5312..5356, 5353..5478, 5354..5482		
Seq. No.	24500	Seq. ID	OJ990304_05.9819.C19
Gene No.	50964	Strand	
Start	4454	End	5732
Name	OJ990304_05.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	4455	End	5482
GI	none	Score	72
Exons	4455..4505, 4917..4973, 4934..4969, 5044..5139, 5051..5143, 5297..5482, 5305..5478		
Seq. No.	24500	Seq. ID	OJ990304_05.9819.C19
Gene No.	50965	Strand	
Start	7502	End	7677
Name	OJ990304_05.9819.C19.o3.ts	Method	TBLASTX:Soybean
Start	7502	End	7672
GI	none	Score	44
Exons	7502..7546, 7562..7672, 7563..7670, 7564..7671		
Seq. No.	24500	Seq. ID	OJ990304_05.9819.C19
Gene No.	50965	Strand	
Start	7502	End	7677
Name	OJ990304_05.9819.C19.o4.tm	Method	TBLASTX:Maize
Start	7502	End	7677
GI	none	Score	44
Exons	7502..7546, 7562..7675, 7563..7676, 7564..7677, 7564..7677		
Seq. No.	24501	Seq. ID	OJ990304_05.9819.C20

Gene No.	50966	Strand	-
Start	2116	End	2233
Name	OJ990304_05.9819.C20.o1.gs	Method	GENSCAN
Start	2116	End	2233
GI	none	Score	.4
Exons	2116..2233		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50967	Strand	+
Start	763	End	2801
Name	OJ990304_05.9819.C21.o1.np	Method	AAT/NAP
Start	763	End	2801
GI	3548810	Score	247
Exons	763..1156, 2751..2801		
GI Descrip.	(AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50968	Strand	+
Start	3757	End	14908
Name	OJ990304_05.9819.C21.o2.np	Method	AAT/NAP
Start	3287	End	10310
GI	3135269	Score	304
Exons	3287..3354, 3747..4064, 4148..4399, 5059..5297, 5489..5681, 5924..6692, 6796..6865, 6963..7012, 7111..7209, 10270..10310		
GI Descrip.	(AC003058) unknown protein [Arabidopsis thaliana]		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50968	Strand	+
Start	3757	End	14908
Name	OJ990304_05.9819.C21.o2.gs	Method	GENSCAN
Start	3757	End	11257
GI	none	Score	.89
Exons	3757..4064, 4148..4388, 5009..5310, 5505..5681, 5927..6691, 6771..6844, 6963..7025, 7121..7209, 7531..8178, 8912..8986, 9678..9748, 9832..9889, 10270..10468, 10561..10626, 10773..11257		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50968	Strand	+
Start	3757	End	14908
Name	OJ990304_05.9819.C21.o3.np	Method	AAT/NAP
Start	4266	End	11257
GI	3135269	Score	432
Exons	4266..4399, 5059..5297, 5489..5681, 5924..6692, 6796..6865, 6963..7012, 7111..7376, 7869..8032, 8075..8181, 8912..8986, 9678..9748, 9832..9883, 10270..10611, 10679..10942, 10980..11257		
GI Descrip.	(AC003058) unknown protein [Arabidopsis thaliana]		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50968	Strand	+
Start	3757	End	14908
Name	OJ990304_05.9819.C21.o4.np	Method	AAT/NAP
Start	10834	End	14500
GI	3695059	Score	713
Exons	10834..10880, 12104..12276, 12361..12917, 14482..14500		
GI Descrip.	(AF064787) rac GTPase activating protein 1 [Lotus japonicus]		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50968	Strand	+
Start	3757	End	14908
Name	OJ990304_05.9819.C21.o1.gp	Method	AAT/GAP
Start	10856	End	11206
GI	21137_1.R1084	Score	639
Exons	10856..11206		
GI Descrip.	'5902181/gb|AAD01211.2| 1.0e-30 (AF005050) aspartyl aminopeptidase [Homo sapiens]'		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50968	Strand	+
Start	3757	End	14908
Name	OJ990304_05.9819.C21.o3.gs	Method	GENSCAN
Start	12080	End	12940
GI	none	Score	.92
Exons	12080..12276, 12361..12940		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50968	Strand	+
Start	3757	End	14908
Name	OJ990304_05.9819.C21.o4.gs	Method	GENSCAN
Start	13228	End	14908
GI	none	Score	.59
Exons	13228..13273, 13480..13929, 14405..14476, 14570..14679, 14873..14908		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50969	Strand	+
Start	17761	End	19773
Name	OJ990304_05.9819.C21.o6.gs	Method	GENSCAN
Start	17761	End	19773
GI	none	Score	.55
Exons	17761..18170, 18254..18366, 18512..18759, 18835..18960, 19756..19773		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50970	Strand	+
Start	32511	End	33102
Name	OJ990304_05.9819.C21.o8.gs	Method	GENSCAN
Start	32511	End	33102
GI	none	Score	.95
Exons	32511..32896, 32969..33102		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50971	Strand	-
Start	16984	End	17337
Name	OJ990304_05.9819.C21.o5.gs	Method	GENSCAN
Start	16984	End	17337
GI	none	Score	.98
Exons	16984..17337		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o3.ts	Method	TBLASTX:Soybean
Start	767	End	1153

GI	none	Score	63
Exons	767..805, 815..922, 953..1030, 1091..1153		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o3.tc	Method	TBLASTX:Cress
Start	770	End	1153
GI	none	Score	48
Exons	770..805, 815..922, 956..1153		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o7.tm	Method	TBLASTX:Maize
Start	5924	End	6176
GI	none	Score	130
Exons	5924..6010, 5925..6158, 5926..6015, 5931..6017, 6006..6176, 6014..6175		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o4.tm	Method	TBLASTX:Maize
Start	6585	End	7248
GI	none	Score	62
Exons	6585..6659, 6588..6647, 6647..6691, 6759..6866, 6769..6867, 6960..7025, 6963..7028, 7119..7247, 7120..7212, 7120..7248		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o2.tm	Method	TBLASTX:Maize
Start	7757	End	9891
GI	none	Score	100
Exons	7757..7894, 7759..7878, 7763..7894, 7776..7901, 7899..8180, 7904..8176, 7910..8197, 7921..8181, 8912..8986, 8912..8989, 9611..9748, 9675..9749, 9676..9750, 9817..9888, 9818..9886, 9829..9891		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o5.tm	Method	TBLASTX:Maize
Start	10269	End	10923
GI	none	Score	181
Exons	10269..10457, 10303..10458, 10328..10462, 10343..10465, 10570..10650, 10571..10630, 10772..10825, 10772..10861, 10876..10923		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o8.tm	Method	TBLASTX:Maize
Start	11071	End	11257
GI	none	Score	187
Exons	11071..11256, 11138..11257		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	12151	End	12919
GI	none	Score	140
Exons	12151..12276, 12152..12253, 12358..12435, 12359..12568, 12481..12657, 12568..12918, 12569..12919		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	12355	End	12817
GI	none	Score	239
Exons	12355..12564, 12359..12565, 12571..12687, 12572..12817		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	12368	End	12844
GI	none	Score	247
Exons	12368..12568, 12370..12435, 12481..12567, 12568..12831, 12569..12844		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o1.tw	Method	TBLASTX:Wheat
Start	12620	End	12919
GI	none	Score	282
Exons	12620..12919, 12751..12918		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o7.gs	Method	GENSCAN
Start	20901	End	31135
GI	none	Score	.58
Exons	20901..20949, 21801..21872, 23553..23690, 25586..25790, 26845..26893, 28148..28236, 28970..29273, 31070..31135		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o5.np	Method	AAT/NAP
Start	21287	End	21876
GI	2285792	Score	82
Exons	21287..21443, 21801..21876		
GI Descrip.	(AB004568) cyanase [Arabidopsis thaliana] gi|3287503|dbj|BAA31224| (AB015748) cyanase [Arabidopsis thaliana]		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-

Start	20901	End	32604
Name	OJ990304_05.9819.C21.o2.gp	Method	AAT/GAP
Start	22768	End	23513
GI	3763448	Score	722
Exons	22768..22953, 23034..23122, 23220..23283, 23412..23513		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o7.np	Method	AAT/NAP
Start	24936	End	32604
GI	5295969	Score	138
Exons	24936..25003, 28958..29273, 32575..32604		
GI Descrip.	(AB026295) ESTD24835(R2634) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC T06D20 genomic sequence, complete sequence.(U90439) [Oryza sativa]		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o6.tm	Method	TBLASTX:Maize
Start	25527	End	25824
GI	none	Score	78
Exons	25527..25661, 25586..25663, 25663..25725, 25666..25725, 25723..25773, 25739..25774, 25756..25824, 25779..25823		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o6.np	Method	AAT/NAP
Start	26233	End	29476
GI	131136	Score	657
Exons	26233..26838, 29436..29476		
GI Descrip.	PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A1 gi|72671|pir||A1RZP7 photosystem I P700 apoprotein A1 - rice chloroplast gi|11982|emb|CAA33996| (X15901) PSI P700 apoprotein A1 [Oryza sativa] gi|226605|prf||1603356AB photosystem I P700 apoprotein A1 [Oryza sativa]		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o2.tc	Method	TBLASTX:Cress
Start	26398	End	26842
GI	none	Score	112
Exons	26398..26490, 26500..26574, 26641..26841, 26642..26842		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o3.tm	Method	TBLASTX:Maize
Start	26398	End	26842
GI	none	Score	64
Exons	26398..26490, 26494..26574, 26641..26808, 26641..26841, 26642..26842		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o2.ts	Method	TBLASTX:Soybean
Start	26398	End	26842
GI	none	Score	116
Exons	26398..26490, 26494..26574, 26618..26842, 26641..26841		

Seq. No.	24502	Seq. ID	OJ990304_05.9819.C21
Gene No.	50972	Strand	-
Start	20901	End	32604
Name	OJ990304_05.9819.C21.o3.gp	Method	AAT/GAP
Start	27074	End	27526
GI	572451	Score	893
Exons	27074..27526		

Seq. No.	24503	Seq. ID	OJ990304_05.9819.C23
Gene No.	50973	Strand	
Start	118	End	274
Name	OJ990304_05.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	118	End	274
GI	none	Score	113
Exons	118..252, 118..270, 125..274, 134..274		

Seq. No.	24504	Seq. ID	OJ990304_01.9819.C1
Gene No.	50974	Strand	
Start	510	End	661
Name	OJ990304_01.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	510	End	661
GI	none	Score	191
Exons	510..659, 517..657, 566..661		

Seq. No.	24505	Seq. ID	OJ990304_01.9819.C2
Gene No.	50975	Strand	
Start	955	End	1211
Name	OJ990304_01.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	955	End	1211
GI	none	Score	86
Exons	955..1047, 958..1047, 1031..1084, 1047..1193, 1050..1094, 1051..1206, 1140..1211, 1165..1200		

Seq. No.	24505	Seq. ID	OJ990304_01.9819.C2
Gene No.	50976	Strand	
Start	2652	End	3147
Name	OJ990304_01.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	2652	End	3102
GI	none	Score	65
Exons	2652..2708, 2783..2857, 2786..2863, 2790..2861, 2933..3097, 2935..3102		

Seq. No.	24505	Seq. ID	OJ990304_01.9819.C2
Gene No.	50976	Strand	
Start	2652	End	3147
Name	OJ990304_01.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	2682	End	3147
GI	none	Score	41
Exons	2682..2705, 2683..2709, 2785..2862, 2789..2863, 2790..2861,		

2933..3055, 2935..3066, 2935..3054, 3046..3147, 3056..3130

Seq. No.	24505	Seq. ID	OJ990304_01.9819.C2
Gene No.	50976	Strand	
Start	2652	End	3147
Name	OJ990304_01.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	2786	End	3036
GI	none	Score	85
Exons	2786..2863, 2787..2861, 2933..3034, 2935..3036		

Seq. No.	24506	Seq. ID	OJ990304_01.9819.C3
Gene No.	50977	Strand	
Start	35	End	699
Name	OJ990304_01.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	35	End	699
GI	none	Score	39
Exons	35..67, 92..310, 115..330, 380..421, 453..515, 496..585, 524..694, 524..694, 631..699		

Seq. No.	24506	Seq. ID	OJ990304_01.9819.C3
Gene No.	50977	Strand	
Start	35	End	699
Name	OJ990304_01.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	254	End	604
GI	none	Score	57
Exons	254..343, 262..309, 263..310, 286..342, 287..352, 288..353, 379..411, 380..412, 406..600, 416..604, 437..601		

Seq. No.	24507	Seq. ID	OJ990304_01.9819.C6
Gene No.	50978	Strand	
Start	170	End	604
Name	OJ990304_01.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	170	End	604
GI	none	Score	185
Exons	170..544, 560..604		

Seq. No.	24508	Seq. ID	OJ990304_01.9819.C7
Gene No.	50979	Strand	+
Start	7201	End	7317
Name	OJ990304_01.9819.C7.o3.gp	Method	AAT/GAP
Start	7201	End	7317
GI	uC-osflcyp106h06a1	Score	195
Exons	7201..7317		
GI Descrip.	'4680189/gb|AF111710.1|AF111710 3.0e-34 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		

Seq. No.	24508	Seq. ID	OJ990304_01.9819.C7
Gene No.	50980	Strand	-
Start	1548	End	5016
Name	OJ990304_01.9819.C7.o1.gp	Method	AAT/GAP
Start	1548	End	5016
GI	452_1.R1084	Score	2361
Exons	1548..2102, 2226..2307, 2615..2733, 3075..3194, 3522..3592, 4120..4280, 4840..5016		
GI Descrip.	'1703380/sp|P51823|ARF_ORYSA 1.0e-101 ADP-RIBOSYLATION FACTOR		

>gi_1132483_dbj_BAA04607_ (D17760) ADP-ribosylation factor [Oryza sativa]'

Seq. No.	24508	Seq. ID	OJ990304_01.9819.C7
Gene No.	50980	Strand	-
Start	1548	End	5016
Name	OJ990304_01.9819.C7.o2.tw	Method	TBLASTX:Wheat
Start	2203	End	3160
GI	none	Score	110
Exons	2203..2307, 2219..2308, 2220..2312, 2226..2312, 2595..2696, 2609..2695, 2611..2736, 2612..2707, 3074..3160, 3075..3158		

Seq. No.	24508	Seq. ID	OJ990304_01.9819.C7
Gene No.	50980	Strand	-
Start	1548	End	5016
Name	OJ990304_01.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	2219	End	4282
GI	none	Score	109
Exons	2219..2308, 2224..2307, 2226..2312, 2611..2736, 2612..2707, 3058..3195, 3074..3187, 3075..3197, 3075..3197, 3511..3585, 3516..3599, 3522..3590, 3523..3600, 4118..4282, 4119..4280		

Seq. No.	24508	Seq. ID	OJ990304_01.9819.C7
Gene No.	50980	Strand	-
Start	1548	End	5016
Name	OJ990304_01.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	2221	End	3197
GI	none	Score	108
Exons	2221..2307, 2226..2312, 2609..2698, 2610..2699, 2611..2736, 2612..2707, 3068..3196, 3075..3197, 3075..3197		

Seq. No.	24508	Seq. ID	OJ990304_01.9819.C7
Gene No.	50980	Strand	-
Start	1548	End	5016
Name	OJ990304_01.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	2226	End	4313
GI	none	Score	108
Exons	2226..2312, 2227..2307, 2611..2697, 2611..2697, 2612..2701, 2698..2736, 3074..3184, 3075..3197, 3078..3197, 3511..3591, 3516..3599, 3522..3593, 3523..3600, 4118..4306, 4119..4313		

Seq. No.	24508	Seq. ID	OJ990304_01.9819.C7
Gene No.	50980	Strand	-
Start	1548	End	5016
Name	OJ990304_01.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	3160	End	4282
GI	none	Score	64
Exons	3160..3195, 3162..3197, 3162..3197, 3516..3599, 3517..3600, 4115..4276, 4118..4282, 4119..4280		

Seq. No.	24508	Seq. ID	OJ990304_01.9819.C7
Gene No.	50980	Strand	-
Start	1548	End	5016
Name	OJ990304_01.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	3534	End	4426
GI	none	Score	91
Exons	3534..3599, 3535..3600, 4118..4273, 4119..4274, 4364..4426,		

4365..4412

Seq. No.	24509	Seq. ID	OJ990304_01.9819.C8
Gene No.	50981	Strand	+
Start	2597	End	3120
Name	OJ990304_01.9819.C8.o1.gp	Method	AAT/GAP
Start	2597	End	3120
GI	LIB3434-029-P1-K1-D5	Score	942
Exons	2597..3120		
GI Descrip.	'9611/emb|X00593|LPH3H4 8.0e-09 Lytechinus pictus H3 and H4 gene'		

Seq. No.	24509	Seq. ID	OJ990304_01.9819.C8
Gene No.	50982	Strand	-
Start	3555	End	4292
Name	OJ990304_01.9819.C8.o2.gp	Method	AAT/GAP
Start	3555	End	4292
GI	3762651	Score	700
Exons	3555..3859, 4217..4292		
GI Descrip.	9611/emb|X00593|LPH3H4 8.0e-09 Lytechinus pictus H3 and H4 gene		

Seq. No.	24509	Seq. ID	OJ990304_01.9819.C8
Gene No.	50983	Strand	
Start	7308	End	8900
Name	OJ990304_01.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	7308	End	7489
GI	none	Score	231
Exons	7308..7481, 7309..7479, 7406..7489		

Seq. No.	24509	Seq. ID	OJ990304_01.9819.C8
Gene No.	50983	Strand	
Start	7308	End	8900
Name	OJ990304_01.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	7308	End	8900
GI	none	Score	93
Exons	7308..7466, 7308..7481, 7309..7482, 7609..7686, 7613..7681, 7853..8086, 7855..8064, 7859..8065, 8085..8153, 8497..8739, 8501..8737, 8832..8900		

Seq. No.	24510	Seq. ID	OJ990304_01.9819.C9
Gene No.	50984	Strand	
Start	428	End	1041
Name	OJ990304_01.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	428	End	908
GI	none	Score	45
Exons	428..487, 444..491, 570..908, 571..903		

Seq. No.	24510	Seq. ID	OJ990304_01.9819.C9
Gene No.	50984	Strand	
Start	428	End	1041
Name	OJ990304_01.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	573	End	1016
GI	none	Score	118
Exons	573..641, 636..1016, 646..924, 720..1013		

Seq. No.	24510	Seq. ID	OJ990304_01.9819.C9
Gene No.	50984	Strand	

Start	428	End	1041
Name	OJ990304_01.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	600	End	908
GI	none	Score	248
Exons	600..908, 601..903, 648..908		

Seq. No.	24510	Seq. ID	OJ990304_01.9819.C9
Gene No.	50984	Strand	
Start	428	End	1041
Name	OJ990304_01.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	750	End	1016
GI	none	Score	89
Exons	750..1010, 753..1016		

Seq. No.	24510	Seq. ID	OJ990304_01.9819.C9
Gene No.	50984	Strand	
Start	428	End	1041
Name	OJ990304_01.9819.C9.o4.tm	Method	TBLASTX:Maize
Start	909	End	1041
GI	none	Score	116
Exons	909..1037, 909..1040, 910..1041		

Seq. No.	24510	Seq. ID	OJ990304_01.9819.C9
Gene No.	50985	Strand	
Start	1126	End	1306
Name	OJ990304_01.9819.C9.o5.tm	Method	TBLASTX:Maize
Start	1126	End	1306
GI	none	Score	45
Exons	1126..1164, 1128..1187, 1170..1280, 1171..1281, 1181..1306		

Seq. No.	24510	Seq. ID	OJ990304_01.9819.C9
Gene No.	50986	Strand	
Start	2488	End	2681
Name	OJ990304_01.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	2488	End	2681
GI	none	Score	180
Exons	2488..2676, 2492..2677, 2511..2681, 2520..2678, 2521..2679		

Seq. No.	24510	Seq. ID	OJ990304_01.9819.C9
Gene No.	50987	Strand	
Start	2970	End	3495
Name	OJ990304_01.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	2970	End	3307
GI	none	Score	65
Exons	2970..3152, 3185..3307		

Seq. No.	24510	Seq. ID	OJ990304_01.9819.C9
Gene No.	50987	Strand	
Start	2970	End	3495
Name	OJ990304_01.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	3069	End	3495
GI	none	Score	55
Exons	3069..3131, 3069..3152, 3185..3442, 3186..3215, 3267..3347, 3337..3375, 3469..3495		

Seq. No.	24510	Seq. ID	OJ990304_01.9819.C9
Gene No.	50988	Strand	

Start	4716	End	4829
Name	OJ990304_01.9819.C9.o2.tw	Method	TBLASTX:Wheat
Start	4716	End	4829
GI	none	Score	172
Exons	4716..4829, 4717..4824		

Seq. No.	24511	Seq. ID	OJ990304_01.9819.C10
Gene No.	50989	Strand	-
Start	1007	End	1261
Name	OJ990304_01.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	475	End	927
GI	none	Score	178
Exons	475..609, 497..601, 714..794, 724..801, 725..799, 726..803, 880..924, 882..926, 883..927		

Seq. No.	24511	Seq. ID	OJ990304_01.9819.C10
Gene No.	50989	Strand	-
Start	1007	End	1261
Name	OJ990304_01.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	475	End	1064
GI	none	Score	177
Exons	475..609, 497..601, 501..608, 714..791, 719..790, 724..801, 724..801, 726..803, 867..923, 880..927, 881..928, 1032..1064		

Seq. No.	24511	Seq. ID	OJ990304_01.9819.C10
Gene No.	50989	Strand	-
Start	1007	End	1261
Name	OJ990304_01.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	496	End	771
GI	none	Score	154
Exons	496..612, 497..601, 724..771, 726..770		

Seq. No.	24511	Seq. ID	OJ990304_01.9819.C10
Gene No.	50989	Strand	-
Start	1007	End	1261
Name	OJ990304_01.9819.C10.o1.gp	Method	AAT/GAP
Start	1007	End	1261
GI	2799381	Score	413
Exons	1007..1261		

Seq. No.	24512	Seq. ID	OJ990304_01.9819.C11
Gene No.	50990	Strand	
Start	29	End	2687
Name	OJ990304_01.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	29	End	1641
GI	none	Score	42
Exons	29..130, 210..302, 223..321, 226..303, 323..349, 326..361, 1193..1261, 1194..1280, 1195..1275, 1424..1513, 1432..1512, 1593..1640, 1594..1641		

Seq. No.	24512	Seq. ID	OJ990304_01.9819.C11
Gene No.	50990	Strand	
Start	29	End	2687
Name	OJ990304_01.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	204	End	2663
GI	none	Score	112
Exons	204..302, 226..303, 1197..1265, 1198..1275, 1415..1513,		

1432..1503, 1594..1677, 1596..1664, 2395..2514, 2396..2473, 2594..2662, 2595..2663

Seq. No.	24512	Seq. ID	OJ990304_01.9819.C11
Gene No.	50990	Strand	
Start	29	End	2687
Name	OJ990304_01.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	1424	End	2687
GI	none	Score	130
Exons	1424..1513, 1432..1512, 1594..1677, 1594..1677, 2395..2475, 2396..2476, 2592..2687, 2594..2683		

Seq. No.	24512	Seq. ID	OJ990304_01.9819.C11
Gene No.	50990	Strand	
Start	29	End	2687
Name	OJ990304_01.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	1627	End	2687
GI	none	Score	65
Exons	1627..1677, 2395..2496, 2396..2476, 2592..2687, 2594..2686		

Seq. No.	24513	Seq. ID	OJ990304_01.9819.C12
Gene No.	50991	Strand	+
Start	527	End	3030
Name	OJ990304_01.9819.C12.o2.tc	Method	TBLASTX:Cress
Start	429	End	757
GI	none	Score	199
Exons	429..596, 431..544, 686..757		

Seq. No.	24513	Seq. ID	OJ990304_01.9819.C12
Gene No.	50991	Strand	+
Start	527	End	3030
Name	OJ990304_01.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	429	End	2661
GI	none	Score	196
Exons	429..596, 431..589, 686..757, 703..756, 881..940, 885..941, 1037..1099, 1039..1092, 1170..1211, 1175..1204, 1226..1285, 1227..1307, 2191..2265, 2196..2279, 2530..2661, 2531..2650		

Seq. No.	24513	Seq. ID	OJ990304_01.9819.C12
Gene No.	50991	Strand	+
Start	527	End	3030
Name	OJ990304_01.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	429	End	2282
GI	none	Score	281
Exons	429..614, 429..608, 431..613, 686..760, 689..757, 699..758, 700..759, 887..940, 888..941, 1033..1092, 1037..1099, 1040..1102, 1170..1307, 1173..1271, 1175..1285, 2188..2274, 2191..2262, 2195..2281, 2196..2282		

Seq. No.	24513	Seq. ID	OJ990304_01.9819.C12
Gene No.	50991	Strand	+
Start	527	End	3030
Name	OJ990304_01.9819.C12.o1.gp	Method	AAT/GAP
Start	527	End	3030
GI	30797_1.R1084	Score	1416
Exons	527..608, 692..759, 887..938, 1040..1093, 1176..1268, 2200..2263, 2556..2926, 2993..3030		

GI Descrip. '4689108/gb|AAD27763.1|AF077030_1 2.0e-42 (AF077030) hypothetical 43.2 kDa protein [Homo sapiens] >gi_4929577_gb_AAD34049.1_AF151812_1 (AF151812) CGI-54 protein [Homo sapiens]'

Seq. No.	24513	Seq. ID	OJ990304_01.9819.C12
Gene No.	50991	Strand	+
Start	527	End	3030
Name	OJ990304_01.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	2531	End	2865
GI	none	Score	181
Exons	2531..2671, 2539..2670, 2558..2677, 2562..2678, 2587..2688, 2671..2718, 2821..2865		

Seq. No.	24513	Seq. ID	OJ990304_01.9819.C12
Gene No.	50992	Strand	
Start	6125	End	6772
Name	OJ990304_01.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	6125	End	6772
GI	none	Score	811
Exons	6125..6772, 6132..6746		

Seq. No.	24513	Seq. ID	OJ990304_01.9819.C12
Gene No.	50992	Strand	
Start	6125	End	6772
Name	OJ990304_01.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	6131	End	6626
GI	none	Score	59
Exons	6131..6235, 6150..6233, 6266..6625, 6285..6623, 6345..6626		

Seq. No.	24513	Seq. ID	OJ990304_01.9819.C12
Gene No.	50992	Strand	
Start	6125	End	6772
Name	OJ990304_01.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	6140	End	6772
GI	none	Score	61
Exons	6140..6241, 6266..6430, 6410..6595, 6413..6592, 6543..6659, 6683..6727, 6692..6772		

Seq. No.	24514	Seq. ID	OJ990304_01.9819.C15
Gene No.	50993	Strand	
Start	3861	End	4396
Name	OJ990304_01.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	3861	End	4396
GI	none	Score	56
Exons	3861..3914, 4034..4186, 4034..4363, 4035..4277, 4356..4394, 4364..4396		

Seq. No.	24515	Seq. ID	OJ990304_01.9819.C18
Gene No.	50994	Strand	+
Start	891	End	1201
Name	OJ990304_01.9819.C18.o1.gp	Method	AAT/GAP
Start	891	End	1201
GI	none	Score	574
Exons	891..1201		

Seq. No.	24515	Seq. ID	OJ990304_01.9819.C18

Gene No.	50995	Strand	+
Start	4738	End	5777
Name	OJ990304_01.9819.C18.o2.gp	Method	AAT/GAP
Start	4738	End	5777
GI	LIB3433-061-P1-K1-D1	Score	813
Exons	4738..4846, 5048..5196, 5585..5777		
GI Descrip.	'4263717/gb|AAD15403| 4.0e-47 (AC006223) putative inositol polyphosphate 5-phosphatase [Arabidopsis thaliana]'		

Seq. No.	24515	Seq. ID	OJ990304_01.9819.C18
Gene No.	50996	Strand	+
Start	8522	End	9918
Name	OJ990304_01.9819.C18.o4.gp	Method	AAT/GAP
Start	8522	End	9918
GI	LIB3433-055-P1-K1-A4	Score	594
Exons	8522..8546, 8603..8653, 8755..8812, 8948..9052, 9294..9351, 9831..9918		
GI Descrip.	'2435511 3.0e-25 (AF024504) contains similarity to prolyl 4-hydroxylase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	24515	Seq. ID	OJ990304_01.9819.C18
Gene No.	50997	Strand	-
Start	7051	End	7291
Name	OJ990304_01.9819.C18.o3.gp	Method	AAT/GAP
Start	7051	End	7291
GI	28898_2.R1084	Score	368
Exons	7051..7291		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-69 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	24515	Seq. ID	OJ990304_01.9819.C18
Gene No.	50998	Strand	-
Start	14063	End	15070
Name	OJ990304_01.9819.C18.o2.tc	Method	TBLASTX:Cress
Start	3027	End	5714
GI	none	Score	100
Exons	3027..3134, 3028..3135, 3392..3523, 3878..4012, 3893..4012, 4451..4645, 4739..4852, 4739..4846, 5045..5182, 5047..5181, 5586..5714		

Seq. No.	24515	Seq. ID	OJ990304_01.9819.C18
Gene No.	50998	Strand	-
Start	14063	End	15070
Name	OJ990304_01.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	3653	End	4494
GI	none	Score	167
Exons	3653..3769, 3654..3797, 3663..3788, 3802..3975, 3809..4012, 3845..4012, 4453..4494		

Seq. No.	24515	Seq. ID	OJ990304_01.9819.C18
Gene No.	50998	Strand	-
Start	14063	End	15070
Name	OJ990304_01.9819.C18.o3.ts	Method	TBLASTX:Soybean
Start	3875	End	4807
GI	none	Score	158
Exons	3875..4012, 3902..4012, 4451..4600, 4453..4521, 4739..4807		

Seq. No.	24515	Seq. ID	OJ990304_01.9819.C18
Gene No.	50998	Strand	-
Start	14063	End	15070
Name	OJ990304_01.9819.C18.o5.tm	Method	TBLASTX:Maize
Start	4496	End	5143
GI	none	Score	141
Exons	4496..4618, 4739..4861, 5029..5142, 5045..5143, 5047..5142		

Seq. No.	24515	Seq. ID	OJ990304_01.9819.C18
Gene No.	50998	Strand	-
Start	14063	End	15070
Name	OJ990304_01.9819.C18.o4.ts	Method	TBLASTX:Soybean
Start	5045	End	5657
GI	none	Score	196
Exons	5045..5197, 5053..5202, 5513..5656, 5586..5657		

Seq. No.	24515	Seq. ID	OJ990304_01.9819.C18
Gene No.	50998	Strand	-
Start	14063	End	15070
Name	OJ990304_01.9819.C18.o4.tm	Method	TBLASTX:Maize
Start	5144	End	5801
GI	none	Score	93
Exons	5144..5197, 5146..5202, 5552..5773, 5565..5801, 5586..5774		

Seq. No.	24515	Seq. ID	OJ990304_01.9819.C18
Gene No.	50998	Strand	-
Start	14063	End	15070
Name	OJ990304_01.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	8588	End	10649
GI	none	Score	104
Exons	8588..8653, 8589..8654, 8752..8820, 8753..8821, 8947..9054, 8948..9052, 8950..9054, 9284..9361, 9294..9350, 9825..9935, 9829..10008, 9830..10006, 10202..10246, 10348..10638, 10350..10649, 10352..10648		

Seq. No.	24515	Seq. ID	OJ990304_01.9819.C18
Gene No.	50998	Strand	-
Start	14063	End	15070
Name	OJ990304_01.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	8610	End	10663
GI	none	Score	51
Exons	8610..8654, 8753..8821, 8947..9045, 8948..9052, 9293..9361, 9294..9350, 9825..9938, 9829..10008, 9830..10006, 10210..10245, 10215..10244, 10346..10663, 10350..10652, 10352..10660		

Seq. No.	24515	Seq. ID	OJ990304_01.9819.C18
Gene No.	50998	Strand	-
Start	14063	End	15070
Name	OJ990304_01.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	8947	End	10649
GI	none	Score	104
Exons	8947..9045, 8948..9052, 9294..9350, 9829..10017, 9830..10006, 10350..10649, 10352..10639		

Seq. No.	24515	Seq. ID	OJ990304_01.9819.C18
Gene No.	50998	Strand	-
Start	14063	End	15070

Name	OJ990304_01.9819.C18.o5.gp	Method	AAT/GAP
Start	14063	End	15070
GI	29309_1.R1084	Score	997
Exons	14063..14141, 14600..15070		
GI Descrip.	'4204263 1.0e-10 (AC005223) 40409 [Arabidopsis thaliana]'		

Seq. No.	24515	Seq. ID	OJ990304_01.9819.C18
Gene No.	50998	Strand	-
Start	14063	End	15070
Name	OJ990304_01.9819.C18.o2.ts	Method	TBLASTX:Soybean
Start	14601	End	14844
GI	none	Score	135
Exons	14601..14705, 14703..14843, 14707..14844		

Seq. No.	24515	Seq. ID	OJ990304_01.9819.C18
Gene No.	50998	Strand	-
Start	14063	End	15070
Name	OJ990304_01.9819.C18.o3.tm	Method	TBLASTX:Maize
Start	14655	End	14852
GI	none	Score	233
Exons	14655..14852, 14656..14847		

Seq. No.	24516	Seq. ID	OJ990304_01.9819.C21
Gene No.	50999	Strand	+
Start	4427	End	4919
Name	OJ990304_01.9819.C21.o2.tw	Method	TBLASTX:Wheat
Start	1338	End	1757
GI	none	Score	79
Exons	1338..1640, 1372..1566, 1701..1757		

Seq. No.	24516	Seq. ID	OJ990304_01.9819.C21
Gene No.	50999	Strand	+
Start	4427	End	4919
Name	OJ990304_01.9819.C21.o1.tw	Method	TBLASTX:Wheat
Start	2082	End	2447
GI	none	Score	57
Exons	2082..2225, 2083..2184, 2250..2447, 2263..2424		

Seq. No.	24516	Seq. ID	OJ990304_01.9819.C21
Gene No.	50999	Strand	+
Start	4427	End	4919
Name	OJ990304_01.9819.C21.o1.gp	Method	AAT/GAP
Start	4427	End	4919
GI	576771	Score	843
Exons	4427..4682, 4709..4919		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	24517	Seq. ID	OJ990304_01.9819.C22
Gene No.	51000	Strand	-
Start	1	End	233
Name	OJ990304_01.9819.C22.o1.gp	Method	AAT/GAP
Start	1	End	233
GI	none	Score	354
Exons	1..233		

Seq. No.	24518	Seq. ID	OJ990304_01.9819.C24

Gene No.	51001	Strand	
Start	1474	End	1812
Name	OJ990304_01.9819.C24.o1.tm	Method	TBLASTX:Maize
Start	1474	End	1812
GI	none	Score	92
Exons	1474..1635, 1484..1618, 1495..1635, 1699..1812, 1701..1742		

Seq. No.	24519	Seq. ID	OJ990304_01.9819.C26
Gene No.	51002	Strand	
Start	35	End	973
Name	OJ990304_01.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	35	End	973
GI	none	Score	1141
Exons	35..517, 37..972, 38..973		

Seq. No.	24519	Seq. ID	OJ990304_01.9819.C26
Gene No.	51002	Strand	
Start	35	End	973
Name	OJ990304_01.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	50	End	400
GI	none	Score	303
Exons	50..397, 55..399, 119..400		

Seq. No.	24519	Seq. ID	OJ990304_01.9819.C26
Gene No.	51002	Strand	
Start	35	End	973
Name	OJ990304_01.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	184	End	888
GI	none	Score	68
Exons	184..369, 317..433, 466..609, 470..577, 778..888		

Seq. No.	24519	Seq. ID	OJ990304_01.9819.C26
Gene No.	51002	Strand	
Start	35	End	973
Name	OJ990304_01.9819.C26.o2.ts	Method	TBLASTX:Soybean
Start	451	End	882
GI	none	Score	144
Exons	451..621, 464..610, 751..882		

Seq. No.	24520	Seq. ID	OJ990304_01.9819.C31
Gene No.	51003	Strand	+
Start	1	End	1045
Name	OJ990304_01.9819.C31.o1.gp	Method	AAT/GAP
Start	1	End	1045
GI	2428691	Score	539
Exons	1..206, 971..1045		
GI Descrip.	4204263 1.0e-10 (AC005223) 40409 [Arabidopsis thaliana]		

Seq. No.	24520	Seq. ID	OJ990304_01.9819.C31
Gene No.	51004	Strand	+
Start	2725	End	2874
Name	OJ990304_01.9819.C31.o2.gp	Method	AAT/GAP
Start	2725	End	2874
GI	454555	Score	233
Exons	2725..2874		

Seq. No.	24520	Seq. ID	OJ990304_01.9819.C31

Gene No.	51005	Strand	+
Start	3640	End	5634
Name	OJ990304_01.9819.C31.o1.tm	Method	TBLASTX:Maize
Start	3190	End	3528
GI	none	Score	242
Exons	3190..3339, 3197..3340, 3208..3348, 3255..3347, 3427..3528, 3430..3528		

Seq. No.	24520	Seq. ID	OJ990304_01.9819.C31
Gene No.	51005	Strand	+
Start	3640	End	5634
Name	OJ990304_01.9819.C31.o1.tw	Method	TBLASTX:Wheat
Start	3190	End	5085
GI	none	Score	237
Exons	3190..3339, 3197..3340, 3427..3528, 3429..3536, 3671..3757, 3677..3757, 3678..3758, 3888..3971, 3888..3971, 3889..3972, 4046..4150, 4047..4148, 4063..4152, 4064..4150, 4777..4848, 4782..4874, 5022..5075, 5023..5085, 5025..5081		

Seq. No.	24520	Seq. ID	OJ990304_01.9819.C31
Gene No.	51005	Strand	+
Start	3640	End	5634
Name	OJ990304_01.9819.C31.o1.ts	Method	TBLASTX:Soybean
Start	3196	End	5409
GI	none	Score	228
Exons	3196..3339, 3197..3340, 3257..3340, 3427..3528, 3429..3530, 3671..3757, 3677..3757, 3884..3970, 3886..3969, 3888..3971, 3888..3971, 3889..3972, 4046..4150, 4047..4148, 4066..4149, 4078..4152, 4079..4150, 4771..4848, 4777..4848, 4782..4868, 5022..5090, 5023..5115, 5025..5108, 5249..5353, 5251..5358, 5251..5340, 5374..5409		

Seq. No.	24520	Seq. ID	OJ990304_01.9819.C31
Gene No.	51005	Strand	+
Start	3640	End	5634
Name	OJ990304_01.9819.C31.o1.tc	Method	TBLASTX:Cress
Start	3200	End	5347
GI	none	Score	214
Exons	3200..3340, 3202..3339, 3254..3340, 3427..3528, 3429..3530, 3661..3753, 3671..3769, 3677..3757, 3888..3971, 3888..3971, 3889..3972, 4046..4150, 4047..4148, 4047..4151, 4066..4155, 4777..4848, 5009..5110, 5020..5112, 5023..5115, 5247..5342, 5248..5343, 5248..5340, 5249..5347, 5258..5341		

Seq. No.	24520	Seq. ID	OJ990304_01.9819.C31
Gene No.	51005	Strand	+
Start	3640	End	5634
Name	OJ990304_01.9819.C31.o3.gp	Method	AAT/GAP
Start	3640	End	5634
GI	19336_1.R1084	Score	1397
Exons	3640..3757, 3889..3969, 4059..4148, 4783..4848, 5026..5112, 5252..5634		
GI Descrip.	'4336205/gb|AAD17694| 3.0e-44 (AF077372) cytochrome b5 reductase [Zea mays]'		

Seq. No.	24520	Seq. ID	OJ990304_01.9819.C31
Gene No.	51005	Strand	+

Start	3640	End	5634
Name	OJ990304_01.9819.C31.o2.tm	Method	TBLASTX:Maize
Start	3661	End	5361
GI	none	Score	141
Exons	3661..3756, 3677..3757, 3677..3784, 3886..3969, 3888..3971, 3888..3971, 3889..3972, 4047..4148, 4053..4142, 4058..4150, 4064..4150, 4777..4848, 5022..5111, 5023..5115, 5025..5111, 5223..5345, 5229..5345, 5248..5346, 5248..5361, 5249..5347		

Seq. No.	24521	Seq. ID	OJ990324_02.9819.C2
Gene No.	51006	Strand	-
Start	267	End	467
Name	OJ990324_02.9819.C2.o1.gs	Method	GENSCAN
Start	267	End	467
GI	none	Score	.92
Exons	267..467		

Seq. No.	24522	Seq. ID	OJ990324_02.9819.C3
Gene No.	51007	Strand	-
Start	1	End	759
Name	OJ990324_02.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	759
GI	5103193	Score	1138
Exons	1..759		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	24523	Seq. ID	OJ990324_02.9819.C4
Gene No.	51008	Strand	-
Start	338	End	388
Name	OJ990324_02.9819.C4.o1.gp	Method	AAT/GAP
Start	338	End	388
GI	13672_2.R1084	Score	60
Exons	338..388		
GI Descrip.	'730526/sp|P41127|RL13_ARATH 4.0e-83 60S RIBOSOMAL PROTEIN L13 (BBC1 PROTEIN HOMOLOG) >gi_480787_pir__S37271 ribosomal protein L13 - Arabidopsis thaliana >gi_404166_emb_CAA53005_ (X75162) BBC1 protein [Arabidopsis thaliana]'		

Seq. No.	24524	Seq. ID	OJ990324_02.9819.C10
Gene No.	51009	Strand	+
Start	477	End	565
Name	OJ990324_02.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	310	End	481
GI	none	Score	185
Exons	310..480, 310..405, 311..481, 314..481		

Seq. No.	24524	Seq. ID	OJ990324_02.9819.C10
Gene No.	51009	Strand	+
Start	477	End	565
Name	OJ990324_02.9819.C10.o1.gs	Method	GENSCAN
Start	477	End	565
GI	none	Score	.49
Exons	477..565		

Seq. No.	24524	Seq. ID	OJ990324_02.9819.C10

Gene No.	51010	Strand	
Start	538	End	648
Name	OJ990324_02.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	538	End	648
GI	none	Score	183
Exons	538..648, 540..620, 544..648		

Seq. No.	24525	Seq. ID	OJ990324_02.9819.C12
Gene No.	51011	Strand	+
Start	275	End	1399
Name	OJ990324_02.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	62	End	312
GI	none	Score	42
Exons	62..280, 74..97, 79..312, 80..202, 90..209, 180..299		

Seq. No.	24525	Seq. ID	OJ990324_02.9819.C12
Gene No.	51011	Strand	+
Start	275	End	1399
Name	OJ990324_02.9819.C12.o1.np	Method	AAT/NAP
Start	275	End	1399
GI	4884787	Score	78
Exons	275..385, 1364..1399		
GI Descrip.	(AF128862) LacZ [Cloning vector pHIND2.2]		

Seq. No.	24526	Seq. ID	OJ990324_02.9819.C15
Gene No.	51012	Strand	+
Start	147	End	320
Name	OJ990324_02.9819.C15.o1.gs	Method	GENSCAN
Start	147	End	320
GI	none	Score	.58
Exons	147..320		

Seq. No.	24527	Seq. ID	OJ990324_02.9819.C16
Gene No.	51013	Strand	+
Start	75	End	271
Name	OJ990324_02.9819.C16.o1.gp	Method	AAT/GAP
Start	75	End	271
GI	2442481	Score	248
Exons	75..271		

Seq. No.	24527	Seq. ID	OJ990324_02.9819.C16
Gene No.	51013	Strand	+
Start	75	End	271
Name	OJ990324_02.9819.C16.o1.gs	Method	GENSCAN
Start	140	End	227
GI	none	Score	.91
Exons	140..227		

Seq. No.	24528	Seq. ID	OJ990324_02.9819.C17
Gene No.	51014	Strand	+
Start	71	End	499
Name	OJ990324_02.9819.C17.o1.gs	Method	GENSCAN
Start	71	End	454
GI	none	Score	.89
Exons	71..454		

Seq. No.	24528	Seq. ID	OJ990324_02.9819.C17

Gene No.	51014	Strand	+
Start	71	End	499
Name	OJ990324_02.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	157	End	499
GI	none	Score	440
Exons	157..441, 158..442, 158..499		

Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19
Gene No.	51015	Strand	+
Start	1092	End	7081
Name	OJ990324_02.9819.C19.o1.gs	Method	GENSCAN
Start	1092	End	7081
GI	none	Score	.69
Exons	1092..1234, 1349..1410, 1451..1558, 2709..2842, 2964..3122, 3205..3425, 4311..4419, 4769..4978, 5049..5243, 5306..5477, 5591..5709, 6112..6345, 6971..7081		

Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19
Gene No.	51015	Strand	+
Start	1092	End	7081
Name	OJ990324_02.9819.C19.o1.gp	Method	AAT/GAP
Start	1323	End	3632
GI	13672_2.R1084	Score	1684
Exons	1323..1410, 1812..1932, 2709..2842, 2964..3122, 3205..3632		
GI Descrip.	'730526/sp|P41127|RL13_ARATH 4.0e-83 60S RIBOSOMAL PROTEIN L13 (BBC1 PROTEIN HOMOLOG) >gi_480787_pir__S37271 ribosomal protein L13 - Arabidopsis thaliana >gi_404166_emb_CAA53005_ (X75162) BBC1 protein [Arabidopsis thaliana]'		

Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19
Gene No.	51015	Strand	+
Start	1092	End	7081
Name	OJ990324_02.9819.C19.o1.np	Method	AAT/NAP
Start	1827	End	3426
GI	730450	Score	805
Exons	1827..1932, 2709..2842, 2964..3122, 3205..3426		
GI Descrip.	60S RIBOSOMAL PROTEIN L13-2 (COLD INDUCED PROTEIN C24B) gi|480649|pir||S37134 cold-induced protein BnC24B - rape gi|398922|emb|CAA80343| (Z22620) cold induced protein (BnC24B) [Brassica napus]		

Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19
Gene No.	51015	Strand	+
Start	1092	End	7081
Name	OJ990324_02.9819.C19.o2.gp	Method	AAT/GAP
Start	4212	End	4964
GI	none	Score	726
Exons	4212..4419, 4769..4964		

Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19
Gene No.	51015	Strand	+
Start	1092	End	7081
Name	OJ990324_02.9819.C19.o2.np	Method	AAT/NAP
Start	4946	End	6198
GI	134642	Score	432
Exons	4946..4978, 5049..5243, 5306..5486, 5645..5709, 5885..5911, 6004..6027, 6112..6198		

GI Descrip.	SUPEROXIDE DISMUTASE [FE], CHLOROPLAST gi|170235 (M55909) Fe-superoxide dismutase [Nicotiana plumbaginifolia]		
Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19
Gene No.	51016	Strand	+
Start	8665	End	10233
Name	OJ990324_02.9819.C19.o4.gp	Method	AAT/GAP
Start	8584	End	10233
GI	1702_1.R1084	Score	913
Exons	8584..8676, 9183..9300, 9819..9881, 9995..10233		
GI Descrip.	'6002102/emb|CAB56693.1| 1.0e-29 (AJ249833) Acyl-CoA binding protein (ACBP) [Digitalis lanata]'		

Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19
Gene No.	51016	Strand	+
Start	8665	End	10233
Name	OJ990324_02.9819.C19.o2.gs	Method	GENSCAN
Start	8665	End	10077
GI	none	Score	.87
Exons	8665..8676, 9183..9300, 9995..10077		

Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19
Gene No.	51016	Strand	+
Start	8665	End	10233
Name	OJ990324_02.9819.C19.o3.np	Method	AAT/NAP
Start	9171	End	10077
GI	6002102	Score	300
Exons	9171..9300, 9819..9881, 9995..10077		
GI Descrip.	(AJ249833) Acyl-CoA binding protein (ACBP) [Digitalis lanata]		

Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19
Gene No.	51017	Strand	-
Start	6277	End	6542
Name	OJ990324_02.9819.C19.o3.gp	Method	AAT/GAP
Start	6277	End	6542
GI	6025016	Score	453
Exons	6277..6542		

Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19
Gene No.	51018	Strand	-
Start	11442	End	11583
Name	OJ990324_02.9819.C19.o3.gs	Method	GENSCAN
Start	11442	End	11583
GI	none	Score	.95
Exons	11442..11583		

Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19
Gene No.	51019	Strand	-
Start	11935	End	13030
Name	OJ990324_02.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	1775	End	3396
GI	none	Score	197
Exons	1775..1921, 1827..1937, 2707..2838, 2708..2842, 2711..2842, 2712..2843, 2961..3140, 2963..3097, 3202..3276, 3204..3275, 3280..3396		

Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19

Gene No.	51019	Strand	-
Start	11935	End	13030
Name	OJ990324_02.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	1820	End	3396
GI	none	Score	179
Exons	1820..1930, 1822..1932, 1823..1933, 1824..1937, 1824..1934, 2708..2842, 2713..2844, 2716..2841, 2961..3140, 2963..3097, 3202..3396, 3202..3381, 3204..3386		

Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19
Gene No.	51019	Strand	-
Start	11935	End	13030
Name	OJ990324_02.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	1820	End	3396
GI	none	Score	71
Exons	1820..1906, 1823..1927, 1824..1937, 2708..2842, 2713..2853, 2716..2838, 2718..2855, 2961..3140, 2963..3091, 3202..3276, 3204..3269, 3279..3383, 3280..3396		

Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19
Gene No.	51019	Strand	-
Start	11935	End	13030
Name	OJ990324_02.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	1845	End	3122
GI	none	Score	116
Exons	1845..1955, 1847..1954, 1854..1940, 1857..1955, 2686..2841, 2705..2842, 2740..2844, 2961..3122, 2963..3088		

Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19
Gene No.	51019	Strand	-
Start	11935	End	13030
Name	OJ990324_02.9819.C19.o2.tc	Method	TBLASTX:Cress
Start	5048	End	6192
GI	none	Score	128
Exons	5048..5182, 5049..5216, 5308..5367, 5308..5472, 5309..5473, 5434..5478, 5885..5911, 6001..6033, 6100..6192		

Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19
Gene No.	51019	Strand	-
Start	11935	End	13030
Name	OJ990324_02.9819.C19.o2.ts	Method	TBLASTX:Soybean
Start	5049	End	6192
GI	none	Score	125
Exons	5049..5216, 5054..5215, 5303..5470, 5304..5381, 5306..5473, 5308..5481, 5425..5481, 5592..5702, 5626..5703, 5885..5911, 6001..6033, 6100..6192		

Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19
Gene No.	51019	Strand	-
Start	11935	End	13030
Name	OJ990324_02.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	9179	End	10095
GI	none	Score	101
Exons	9179..9283, 9199..9285, 9213..9302, 9815..9883, 9817..9882, 9830..9886, 9831..9887, 9983..10081, 9989..10051, 9993..10094, 9993..10082, 9994..10095, 9994..10083		

Seq. No.	24529	Seq. ID	OJ990324_02.9819.C19
Gene No.	51019	Strand	-
Start	11935	End	13030
Name	OJ990324_02.9819.C19.o4.np	Method	AAT/NAP
Start	11935	End	13030
GI	6069646	Score	105
Exons	11935..12094, 13009..13030		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51020	Strand	+
Start	436	End	3333
Name	OJ990324_02.9819.C20.o1.gs	Method	GENSCAN
Start	436	End	3333
GI	none	Score	.76
Exons	436..2171, 2190..2278, 3191..3333		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51020	Strand	+
Start	436	End	3333
Name	OJ990324_02.9819.C20.o1.np	Method	AAT/NAP
Start	1087	End	2352
GI	6646751	Score	766
Exons	1087..2036, 2157..2352		
GI Descrip.	(AC013258) unknown protein [Arabidopsis thaliana]		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51021	Strand	+
Start	14424	End	16810
Name	OJ990324_02.9819.C20.o3.gp	Method	AAT/GAP
Start	14338	End	15894
GI	none	Score	728
Exons	14338..14519, 15693..15894		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51021	Strand	+
Start	14424	End	16810
Name	OJ990324_02.9819.C20.o6.gs	Method	GENSCAN
Start	14424	End	16810
GI	none	Score	.83
Exons	14424..14637, 15351..15378, 16492..16810		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51022	Strand	+
Start	23482	End	25908
Name	OJ990324_02.9819.C20.o4.gp	Method	AAT/GAP
Start	23482	End	25908
GI	17707_1.R1084	Score	1234
Exons	23482..23603, 25110..25209, 25328..25474, 25593..25908		
GI Descrip.	'2129742/pir||S59544 1.0e-22 stress-induced protein OZI1 precursor - Arabidopsis thaliana >gi_790583 (U20347) mRNA corresponding to this gene accumulates in response to ozone stress and pathogen (bacterial) infection; putative		

pathogenesis-related protein [Arabidopsis thaliana] >gi_2252869 (AF013294) No definition line found [Arabidopsis thaliana]'

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51022	Strand	+
Start	23482	End	25908
Name	OJ990324_02.9819.C20.o4.np	Method	AAT/NAP
Start	25106	End	25470
GI	6715639	Score	271
Exons	25106..25234, 25311..25470		
GI Descrip.	(AC007323) T25K16.16 [Arabidopsis thaliana]		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51023	Strand	+
Start	27642	End	29162
Name	OJ990324_02.9819.C20.o5.gp	Method	AAT/GAP
Start	27642	End	28821
GI	2442481	Score	514
Exons	27642..27742, 28044..28196, 28781..28821		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51023	Strand	+
Start	27642	End	29162
Name	OJ990324_02.9819.C20.o8.gs	Method	GENSCAN
Start	28108	End	29162
GI	none	Score	.99
Exons	28108..28196, 28781..29162		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51024	Strand	+
Start	41006	End	45237
Name	OJ990324_02.9819.C20.o11.gs	Method	GENSCAN
Start	41006	End	45195
GI	none	Score	.8
Exons	41006..41025, 41891..41954, 42944..43168, 43264..43389, 43821..43958, 44065..44160, 44329..44571, 44662..44896, 45083..45195		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51024	Strand	+
Start	41006	End	45237
Name	OJ990324_02.9819.C20.o7.np	Method	AAT/NAP
Start	42950	End	45237
GI	1762130	Score	1345
Exons	42950..43168, 43264..43389, 43821..43958, 44065..44160, 44329..44571, 44662..44896, 45024..45237		
GI Descrip.	(U46136) chaperonin-60 beta subunit [Solanum tuberosum]		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51024	Strand	+
Start	41006	End	45237
Name	OJ990324_02.9819.C20.o7.gp	Method	AAT/GAP
Start	43900	End	45171
GI	1601_1.R1084	Score	1406
Exons	43900..43958, 44065..44160, 44329..44571, 44662..44896, 45024..45171		
GI Descrip.	'2493650/sp|Q43831|RUBB_SECCE 0.0e+00 RUBISCO SUBUNIT		

BINDING-PROTEIN BETA SUBUNIT (60 KD CHAPERONIN BETA SUBUNIT) (CPN-60 BETA) >gi_1167858_emb_CAA93139_(Z68903) chaperonin [Secale cereale]'

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51025	Strand	-
Start	3833	End	4623
Name	OJ990324_02.9819.C20.o1.gp	Method	AAT/GAP
Start	3833	End	4623
GI	17369_2.R1084	Score	1321
Exons	3833..4189, 4266..4623		
GI Descrip.	'2129742/pir||S59544 5.0e-23 stress-induced protein OZI1 precursor - Arabidopsis thaliana >gi_790583 (U20347) mRNA corresponding to this gene accumulates in response to ozone stress and pathogen (bacterial) infection; putative pathogenesis-related protein [Arabidopsis thaliana] >gi_2252869 (AF013294) No definition line found [Arabidopsis thaliana]'		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51025	Strand	-
Start	3833	End	4623
Name	OJ990324_02.9819.C20.o2.np	Method	AAT/NAP
Start	4047	End	4371
GI	6715639	Score	264
Exons	4047..4193, 4228..4371		
GI Descrip.	(AC007323) T25K16.16 [Arabidopsis thaliana]		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51025	Strand	-
Start	3833	End	4623
Name	OJ990324_02.9819.C20.o2.gs	Method	GENSCAN
Start	4050	End	4359
GI	none	Score	1
Exons	4050..4189, 4266..4359		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51026	Strand	-
Start	5547	End	6395
Name	OJ990324_02.9819.C20.o2.gp	Method	AAT/GAP
Start	4858	End	5310
GI	none	Score	780
Exons	4858..5310		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51026	Strand	-
Start	5547	End	6395
Name	OJ990324_02.9819.C20.o3.gs	Method	GENSCAN
Start	5547	End	6395
GI	none	Score	.82
Exons	5547..5839, 5870..5940, 6388..6395		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51027	Strand	-
Start	6949	End	7422
Name	OJ990324_02.9819.C20.o4.gs	Method	GENSCAN
Start	6949	End	7422
GI	none	Score	.62

Exons 6949..7422

Seq. No. 24530 Seq. ID OJ990324_02.9819.C20
Gene No. 51028 Strand -
Start 10576 End 13238
Name OJ990324_02.9819.C20.o5.gs Method GENSCAN
Start 10576 End 13238
GI none Score .74
Exons 10576..10581, 10640..10697, 11476..11620, 13106..13238

Seq. No. 24530 Seq. ID OJ990324_02.9819.C20
Gene No. 51029 Strand -
Start 17137 End 27700
Name OJ990324_02.9819.C20.o7.gs Method GENSCAN
Start 17137 End 27700
GI none Score .56
Exons 17137..17573, 17693..17772, 18594..18690, 19401..19461,
20105..20338, 21169..21288, 21398..21513, 21836..21944,
22493..22778, 23634..23778, 23987..24008, 24408..24574,
25344..25469, 26366..26437, 27643..27700

Seq. No. 24530 Seq. ID OJ990324_02.9819.C20
Gene No. 51029 Strand -
Start 17137 End 27700
Name OJ990324_02.9819.C20.o3.np Method AAT/NAP
Start 17149 End 18213
GI 4581122 Score 380
Exons 17149..17573, 17693..17772, 18188..18213
GI Descrip. (AC005825) putative gluconokinase [Arabidopsis thaliana]

Seq. No. 24530 Seq. ID OJ990324_02.9819.C20
Gene No. 51030 Strand -
Start 29244 End 37594
Name OJ990324_02.9819.C20.o5.np Method AAT/NAP
Start 29244 End 32118
GI 4544450 Score 664
Exons 29244..30651, 32089..32118
GI Descrip. (AC006592) hypothetical protein [Arabidopsis thaliana]

Seq. No. 24530 Seq. ID OJ990324_02.9819.C20
Gene No. 51030 Strand -
Start 29244 End 37594
Name OJ990324_02.9819.C20.o9.gs Method GENSCAN
Start 29340 End 37594
GI none Score .43
Exons 29340..30982, 31159..31314, 31872..32858, 33847..34003,
35293..35369, 36748..36971, 37029..37235, 37542..37594

Seq. No. 24530 Seq. ID OJ990324_02.9819.C20
Gene No. 51031 Strand -
Start 38047 End 39164
Name OJ990324_02.9819.C20.o6.np Method AAT/NAP
Start 38041 End 39030
GI 6714424 Score 567
Exons 38041..38229, 38317..38442, 38536..38651, 38777..38867,
38977..39030
GI Descrip. (AC012328) putative ADP-ribosylation factor [Arabidopsis

thaliana]

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51031	Strand	-
Start	38047	End	39164
Name	OJ990324_02.9819.C20.o10.gs	Method	GENSCAN
Start	38047	End	39164
GI	none	Score	.82
Exons	38047..38229, 38317..38442, 38536..38651, 39065..39164		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o6.ts	Method	TBLASTX:Soybean
Start	715	End	1236
GI	none	Score	66
Exons	715..768, 838..927, 922..1074, 1120..1236, 1153..1224		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o2.tc	Method	TBLASTX:Cress
Start	1237	End	1611
GI	none	Score	159
Exons	1237..1374, 1254..1358, 1348..1593, 1366..1611, 1380..1610		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o3.ts	Method	TBLASTX:Soybean
Start	1237	End	1683
GI	none	Score	144
Exons	1237..1362, 1239..1361, 1354..1683, 1363..1653, 1365..1676		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o2.tm	Method	TBLASTX:Maize
Start	1541	End	2194
GI	none	Score	59
Exons	1541..1624, 1554..1832, 1555..1833, 1559..1834, 1715..1834, 1827..2048, 1834..2193, 1834..2193, 1937..2194		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o6.tw	Method	TBLASTX:Wheat
Start	2251	End	2465
GI	none	Score	183
Exons	2251..2361, 2253..2333, 2257..2361, 2433..2465		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o4.tm	Method	TBLASTX:Maize
Start	3832	End	25468
GI	none	Score	34

Exons	3832..3864, 3909..3953, 3917..3952, 4036..4191, 4053..4190, 4263..4370, 4264..4377, 4264..4377, 25113..25211, 25116..25211, 25130..25213, 25326..25466, 25327..25467, 25355..25468		
Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o4.tc	Method	TBLASTX:Cress
Start	4041	End	25475
GI	none	Score	107
Exons	4041..4184, 4056..4190, 4060..4191, 4264..4353, 4265..4357, 25124..25213, 25125..25211, 25326..25463, 25327..25458, 25353..25475		
Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o4.ts	Method	TBLASTX:Soybean
Start	4056	End	25463
GI	none	Score	150
Exons	4056..4199, 4057..4200, 4264..4359, 4265..4348, 25116..25211, 25121..25213, 25165..25212, 25326..25451, 25326..25463, 25327..25458		
Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	4059	End	25512
GI	none	Score	194
Exons	4059..4190, 4060..4191, 4063..4194, 4264..4365, 4265..4366, 25111..25200, 25112..25204, 25112..25213, 25113..25211, 25326..25463, 25327..25479, 25327..25512		
Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o7.ts	Method	TBLASTX:Soybean
Start	15687	End	15884
GI	none	Score	192
Exons	15687..15884, 15725..15871		
Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o5.tm	Method	TBLASTX:Maize
Start	15699	End	16873
GI	none	Score	41
Exons	15699..15737, 15791..15832, 15792..15833, 15867..15896, 15869..15898, 16430..16666, 16468..16677, 16495..16692, 16496..16693, 16652..16759, 16672..16758, 16703..16759, 16739..16801, 16741..16800, 16743..16802, 16837..16872, 16856..16873		
Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720

Name	OJ990324_02.9819.C20.o8.tm	Method	TBLASTX:Maize
Start	17128	End	17531
GI	none	Score	234
Exons	17128..17391, 17152..17370, 17153..17392, 17288..17404, 17410..17481, 17413..17481, 17460..17531		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o5.tw	Method	TBLASTX:Wheat
Start	19634	End	20320
GI	none	Score	165
Exons	19634..19792, 19635..19781, 20103..20318, 20104..20319, 20104..20316, 20105..20320		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o9.tm	Method	TBLASTX:Maize
Start	20143	End	20630
GI	none	Score	235
Exons	20143..20367, 20144..20371, 20145..20372, 20592..20630		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o10.tm	Method	TBLASTX:Maize
Start	21166	End	21443
GI	none	Score	143
Exons	21166..21291, 21168..21329, 21170..21286, 21398..21442, 21399..21443		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o5.ts	Method	TBLASTX:Soybean
Start	29601	End	29954
GI	none	Score	94
Exons	29601..29717, 29724..29954, 29725..29949		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o6.tm	Method	TBLASTX:Maize
Start	29613	End	29987
GI	none	Score	95
Exons	29613..29717, 29718..29987, 29719..29895		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o2.tw	Method	TBLASTX:Wheat
Start	29697	End	30374
GI	none	Score	208
Exons	29697..29717, 29718..30143, 29737..30135, 29745..29861, 30213..30374, 30217..30309		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o3.tc	Method	TBLASTX:Cress
Start	29724	End	30527
GI	none	Score	143
Exons	29724..29828, 29797..30135, 29814..30110, 29826..30218, 30093..30131, 30219..30377, 30225..30365, 30441..30527		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o2.ts	Method	TBLASTX:Soybean
Start	38059	End	39036
GI	none	Score	100
Exons	38059..38178, 38060..38179, 38179..38229, 38288..38443, 38317..38442, 38533..38652, 38537..38653, 38762..38863, 38769..38867, 38775..38870, 38776..38892, 38995..39036		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o3.tm	Method	TBLASTX:Maize
Start	38065	End	39031
GI	none	Score	94
Exons	38065..38178, 38066..38179, 38179..38229, 38288..38443, 38317..38442, 38533..38652, 38537..38653, 38549..38653, 38775..38870, 38776..38892, 38776..38871, 38993..39031, 38995..39030		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o3.tw	Method	TBLASTX:Wheat
Start	38086	End	38877
GI	none	Score	74
Exons	38086..38175, 38306..38437, 38317..38442, 38533..38652, 38537..38653, 38555..38653, 38775..38870, 38776..38877		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o5.tc	Method	TBLASTX:Cress
Start	38306	End	38877
GI	none	Score	56
Exons	38306..38437, 38320..38442, 38533..38652, 38540..38653, 38549..38653, 38762..38848, 38769..38867, 38775..38870, 38776..38877		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51032	Strand	-
Start	39609	End	39720
Name	OJ990324_02.9819.C20.o6.gp	Method	AAT/GAP
Start	39609	End	39720
GI	73918_1.R1084	Score	117
Exons	39609..39720		
GI Descrip.	'2280503/dbj|AB005781|AB005781 2.0e-26 Arabidopsis thaliana		

tRNA-Asp gene'

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51033	Strand	
Start	42934	End	45192
Name	OJ990324_02.9819.C20.o7.tm	Method	TBLASTX:Maize
Start	42934	End	43392
GI	none	Score	97
Exons	42934..43005, 42935..43006, 43073..43198, 43076..43192, 43222..43392, 43227..43376, 43261..43389		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51033	Strand	
Start	42934	End	45192
Name	OJ990324_02.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	42950	End	44838
GI	none	Score	80
Exons	42950..43024, 43082..43198, 43218..43376, 43222..43392, 43249..43389, 43818..43961, 43844..43960, 44062..44118, 44064..44108, 44326..44571, 44327..44548, 44328..44570, 44329..44574, 44427..44576, 44636..44746, 44659..44838, 44665..44742, 44667..44837		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51033	Strand	
Start	42934	End	45192
Name	OJ990324_02.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	43117	End	45192
GI	none	Score	77
Exons	43117..43164, 43118..43168, 43218..43376, 43222..43392, 43249..43389, 43818..43961, 43818..43958, 43844..43960, 44062..44118, 44062..44124, 44063..44125, 44064..44129, 44328..44567, 44329..44574, 44427..44576, 44659..44904, 44659..44739, 44670..44903, 45013..45063, 45049..45192, 45057..45176, 45094..45183		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51033	Strand	
Start	42934	End	45192
Name	OJ990324_02.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	43842	End	45192
GI	none	Score	179
Exons	43842..43961, 43847..43960, 44062..44133, 44063..44137, 44064..44165, 44317..44571, 44327..44569, 44327..44578, 44329..44574, 44427..44579, 44659..44892, 44659..44751, 44660..44752, 44661..44903, 45017..45046, 45023..45046, 45049..45192, 45049..45174, 45051..45176		

Seq. No.	24530	Seq. ID	OJ990324_02.9819.C20
Gene No.	51033	Strand	
Start	42934	End	45192
Name	OJ990324_02.9819.C20.o4.tw	Method	TBLASTX:Wheat
Start	44506	End	44904
GI	none	Score	56
Exons	44506..44562, 44662..44904, 44673..44903		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21

Gene No.	51034	Strand	+
Start	1	End	4965
Name	OJ990324_02.9819.C21.o1.np	Method	AAT/NAP
Start	1	End	1487
GI	2493650	Score	632
Exons	1..35, 142..213, 360..464, 638..730, 808..900, 1353..1487		
GI Descrip.	RUBISCO SUBUNIT BINDING-PROTEIN BETA SUBUNIT (60 KD CHAPERONIN BETA SUBUNIT) (CPN-60 BETA) gi|1167858|emb|CAA93139| (Z68903) chaperonin [Secale cereale]		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51034	Strand	+
Start	1	End	4965
Name	OJ990324_02.9819.C21.o1.gp	Method	AAT/GAP
Start	140	End	1830
GI	1601_1.R1084	Score	1332
Exons	140..213, 360..464, 638..730, 808..900, 1353..1476, 1578..1830		
GI Descrip.	'2493650/sp|Q43831|RUBB_SECCE 0.0e+00 RUBISCO SUBUNIT BINDING-PROTEIN BETA SUBUNIT (60 KD CHAPERONIN BETA SUBUNIT) (CPN-60 BETA) >gi_1167858_emb_CAA93139_ (Z68903) chaperonin [Secale cereale]'		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51034	Strand	+
Start	1	End	4965
Name	OJ990324_02.9819.C21.o1.gs	Method	GENSCAN
Start	142	End	4965
GI	none	Score	.61
Exons	142..213, 360..464, 638..730, 808..900, 1353..1476, 1861..1948, 2063..2124, 2525..2622, 3942..3987, 4504..4673, 4873..4965		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51035	Strand	+
Start	9714	End	10238
Name	OJ990324_02.9819.C21.o2.gp	Method	AAT/GAP
Start	9714	End	10238
GI	none	Score	1017
Exons	9714..10238		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51036	Strand	+
Start	12455	End	26022
Name	OJ990324_02.9819.C21.o3.gp	Method	AAT/GAP
Start	12110	End	12847
GI	48856_1.R1084	Score	1461
Exons	12110..12847		
GI Descrip.	'5815410/gb|AAD52659.1|AF177392_1 0.0e+00 (AF177392) blast and wounding induced mitogen-activated protein kinase [Oryza sativa]'		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51036	Strand	+
Start	12455	End	26022
Name	OJ990324_02.9819.C21.o3.gs	Method	GENSCAN
Start	12455	End	26022
GI	none	Score	.53
Exons	12455..12912, 14897..16190, 22007..22065, 25024..25125,		

25455..26022

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51036	Strand	+
Start	12455	End	26022
Name	OJ990324_02.9819.C21.o4.gp	Method	AAT/GAP
Start	15215	End	15507
GI	569537	Score	586
Exons	15215..15507		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51036	Strand	+
Start	12455	End	26022
Name	OJ990324_02.9819.C21.o5.gp	Method	AAT/GAP
Start	15871	End	16651
GI	none	Score	1271
Exons	15871..16536, 16628..16651		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51036	Strand	+
Start	12455	End	26022
Name	OJ990324_02.9819.C21.o2.np	Method	AAT/NAP
Start	25540	End	26022
GI	3068809	Score	337
Exons	25540..26022		
GI Descrip.	(AF059295) Skp1 homolog [Arabidopsis thaliana]		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51037	Strand	+
Start	29739	End	30173
Name	OJ990324_02.9819.C21.o3.np	Method	AAT/NAP
Start	29739	End	30173
GI	2911041	Score	308
Exons	29739..30173		
GI Descrip.	(AL021961) kinetochore (SKP1p) - like protein [Arabidopsis thaliana]		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51038	Strand	+
Start	33964	End	36608
Name	OJ990324_02.9819.C21.o5.gs	Method	GENSCAN
Start	33964	End	36608
GI	none	Score	.71
Exons	33964..34050, 34130..34203, 34218..35289, 36183..36608		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51039	Strand	-
Start	6212	End	10035
Name	OJ990324_02.9819.C21.o2.gs	Method	GENSCAN
Start	6212	End	10035
GI	none	Score	.55
Exons	6212..6345, 6475..6586, 6987..7103, 9988..10035		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51040	Strand	-
Start	40666	End	42769
Name	OJ990324_02.9819.C21.o2.tc	Method	TBLASTX:Cress

Start	141	End	5362
GI	none	Score	77
Exons	141..215, 141..209, 142..219, 396..467, 637..732, 638..739, 804..902, 805..903, 807..932, 1341..1487, 1352..1489, 1352..1486, 4876..4947, 5302..5358, 5303..5362		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51040	Strand	-
Start	40666	End	42769
Name	OJ990324_02.9819.C21.o3.ts	Method	TBLASTX:Soybean
Start	141	End	5362
GI	none	Score	116
Exons	141..209, 142..219, 396..467, 637..738, 638..739, 638..742, 802..900, 804..902, 805..903, 1341..1478, 1352..1504, 1352..1477, 4218..4298, 4876..4956, 5302..5358, 5303..5362		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51040	Strand	-
Start	40666	End	42769
Name	OJ990324_02.9819.C21.o6.tm	Method	TBLASTX:Maize
Start	141	End	4989
GI	none	Score	109
Exons	141..215, 141..212, 142..219, 1341..1487, 1351..1413, 1352..1495, 1352..1489, 1459..1494, 1576..1596, 4082..4108, 4114..4164, 4218..4292, 4870..4947, 4876..4962, 4955..4981, 4957..4989		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51040	Strand	-
Start	40666	End	42769
Name	OJ990324_02.9819.C21.o5.tm	Method	TBLASTX:Maize
Start	399	End	5362
GI	none	Score	101
Exons	399..467, 637..732, 638..739, 804..905, 805..906, 5302..5358, 5303..5362		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51040	Strand	-
Start	40666	End	42769
Name	OJ990324_02.9819.C21.o3.tw	Method	TBLASTX:Wheat
Start	640	End	5362
GI	none	Score	139
Exons	640..732, 641..739, 653..739, 800..901, 804..902, 805..903, 1341..1478, 1350..1412, 1352..1501, 1352..1489, 5302..5361, 5303..5362		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51040	Strand	-
Start	40666	End	42769
Name	OJ990324_02.9819.C21.o2.tm	Method	TBLASTX:Maize
Start	12317	End	15254
GI	none	Score	39
Exons	12317..12340, 12318..12341, 12461..12496, 12462..12497, 12632..12928, 12637..12927, 14868..15254, 14886..15065, 14894..15253		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21

Gene No.	51040	Strand	-
Start	40666	End	42769
Name	OJ990324_02.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	15255	End	16428
GI	none	Score	1394
Exons	15255..16133, 15258..16133, 16069..16134, 16128..16160, 16155..16205, 16157..16204, 16237..16275, 16242..16292, 16275..16319, 16353..16415, 16355..16399, 16393..16428		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51040	Strand	-
Start	40666	End	42769
Name	OJ990324_02.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	15255	End	15842
GI	none	Score	63
Exons	15255..15347, 15359..15412, 15369..15422, 15483..15842, 15518..15769		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51040	Strand	-
Start	40666	End	42769
Name	OJ990324_02.9819.C21.o2.tw	Method	TBLASTX:Wheat
Start	15509	End	15770
GI	none	Score	175
Exons	15509..15769, 15511..15756, 15516..15770		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51040	Strand	-
Start	40666	End	42769
Name	OJ990324_02.9819.C21.o4.tm	Method	TBLASTX:Maize
Start	25540	End	36327
GI	none	Score	91
Exons	25540..25665, 25570..25665, 25671..25736, 25672..25791, 25750..26019, 25842..26018, 29766..29807, 29816..29896, 29821..29874, 29873..29917, 29907..30152, 30059..30142, 30131..30169, 30132..30176, 36208..36288, 36265..36327		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51040	Strand	-
Start	40666	End	42769
Name	OJ990324_02.9819.C21.o2.ts	Method	TBLASTX:Soybean
Start	25563	End	30179
GI	none	Score	53
Exons	25563..25610, 25570..25611, 25591..25665, 25669..25746, 25671..25736, 25771..26019, 25878..26018, 29816..29896, 29880..29906, 29940..30152, 30035..30142, 30131..30169, 30132..30179		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51040	Strand	-
Start	40666	End	42769
Name	OJ990324_02.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	25570	End	30182
GI	none	Score	92
Exons	25570..25665, 25671..25736, 25672..25752, 25738..26019, 25905..26018, 29816..29896, 29898..30152, 30059..30142, 30131..30169, 30132..30182		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51040	Strand	-
Start	40666	End	42769
Name	OJ990324_02.9819.C21.o1.tw	Method	TBLASTX:Wheat
Start	30846	End	35376
GI	none	Score	71
Exons	30846..30899, 30947..31096, 30987..31106, 31000..31110, 35035..35319, 35035..35376		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51040	Strand	-
Start	40666	End	42769
Name	OJ990324_02.9819.C21.o3.tm	Method	TBLASTX:Maize
Start	30962	End	35166
GI	none	Score	142
Exons	30962..31159, 30963..31196, 30964..31164, 31167..31454, 31169..31243, 31179..31436, 31180..31452, 31271..31453, 34699..34821, 34713..34805, 34723..34809, 34824..34961, 34834..34974, 34927..34980, 34986..35153, 35014..35166		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51040	Strand	-
Start	40666	End	42769
Name	OJ990324_02.9819.C21.o4.np	Method	AAT/NAP
Start	39948	End	42769
GI	5091513	Score	1551
Exons	39948..40167, 40321..40449, 41115..42769		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	24531	Seq. ID	OJ990324_02.9819.C21
Gene No.	51040	Strand	-
Start	40666	End	42769
Name	OJ990324_02.9819.C21.o6.gs	Method	GENSCAN
Start	40666	End	42620
GI	none	Score	.73
Exons	40666..41380, 41579..41714, 41720..42620		

Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51041	Strand	+
Start	3498	End	12087
Name	OJ990324_02.9819.C22.o2.gs	Method	GENSCAN
Start	3498	End	12087
GI	none	Score	.51
Exons	3498..3628, 4621..4741, 5187..5763, 6256..6281, 7805..8114, 8337..8717, 8990..9085, 9146..9451, 9771..10040, 10310..10441, 10535..10801, 10979..11108, 11184..11328, 11783..11876, 12047..12087		

Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51042	Strand	+
Start	13513	End	22379
Name	OJ990324_02.9819.C22.o3.gs	Method	GENSCAN
Start	13513	End	20030
GI	none	Score	.5
Exons	13513..13983, 14583..14716, 15153..16060, 18021..18145, 18272..18442, 19569..20030		

Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51042	Strand	+
Start	13513	End	22379
Name	OJ990324_02.9819.C22.o2.np	Method	AAT/NAP
Start	14449	End	22379
GI	5305335	Score	341
Exons	14449..16108, 19706..19767, 20258..20536, 22210..22379		
GI Descrip.	(AF071081) proline-rich mucin homolog [Mycobacterium tuberculosis]		

Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51042	Strand	+
Start	13513	End	22379
Name	OJ990324_02.9819.C22.o4.gp	Method	AAT/GAP
Start	17536	End	17645
GI	uC-osflcyp088b12b1	Score	157
Exons	17536..17645		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51043	Strand	-
Start	1	End	2730
Name	OJ990324_02.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	2730
GI	5091513	Score	2132
Exons	1..1352, 2216..2730		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51043	Strand	-
Start	1	End	2730
Name	OJ990324_02.9819.C22.o1.gs	Method	GENSCAN
Start	12	End	2706
GI	none	Score	.47
Exons	12..599, 682..767, 773..972, 1297..1371, 1720..1849, 2249..2706		

Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51043	Strand	-
Start	1	End	2730
Name	OJ990324_02.9819.C22.o1.gp	Method	AAT/GAP
Start	1451	End	1695
GI	LIB3475-004-P1-K2-A5	Score	399
Exons	1451..1695		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51043	Strand	-
Start	1	End	2730
Name	OJ990324_02.9819.C22.o2.gp	Method	AAT/GAP
Start	1932	End	2216
GI	LIB3475-004-P1-K2-A5	Score	371
Exons	1932..2119, 2162..2216		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51044	Strand	-
Start	20930	End	21920
Name	OJ990324_02.9819.C22.o4.tm	Method	TBLASTX:Maize
Start	1426	End	2186
GI	none	Score	110
Exons	1426..1542, 1427..1543, 1430..1546, 1546..1650, 1547..1663, 1907..2023, 1908..2024, 1911..2027, 1912..2025, 1981..2031, 2023..2118, 2025..2117, 2027..2122, 2027..2122, 2127..2186		

Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51044	Strand	-
Start	20930	End	21920
Name	OJ990324_02.9819.C22.o3.tm	Method	TBLASTX:Maize
Start	7703	End	8071
GI	none	Score	145
Exons	7703..7837, 7720..7827, 7853..8071, 7853..7975		

Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51044	Strand	-
Start	20930	End	21920
Name	OJ990324_02.9819.C22.o3.ts	Method	TBLASTX:Soybean
Start	9166	End	9528
GI	none	Score	202
Exons	9166..9528, 9234..9512		

Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51044	Strand	-
Start	20930	End	21920
Name	OJ990324_02.9819.C22.o1.tw	Method	TBLASTX:Wheat
Start	10171	End	10579
GI	none	Score	602
Exons	10171..10578, 10188..10511, 10289..10579		

Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51044	Strand	-
Start	20930	End	21920
Name	OJ990324_02.9819.C22.o2.tm	Method	TBLASTX:Maize
Start	10231	End	10446
GI	none	Score	306
Exons	10231..10446, 10233..10445		

Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51044	Strand	-
Start	20930	End	21920
Name	OJ990324_02.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	10447	End	10908
GI	none	Score	613
Exons	10447..10908, 10449..10511, 10566..10907		

Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51044	Strand	-
Start	20930	End	21920
Name	OJ990324_02.9819.C22.o2.ts	Method	TBLASTX:Soybean
Start	10594	End	11063
GI	none	Score	223

Exons	10594..10875, 10629..10886, 10876..11061, 10917..11063		
Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51044	Strand	-
Start	20930	End	21920
Name	OJ990324_02.9819.C22.o2.tw	Method	TBLASTX:Wheat
Start	10597	End	10977
GI	none	Score	200
Exons	10597..10899, 10651..10740, 10876..10977		
Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51044	Strand	-
Start	20930	End	21920
Name	OJ990324_02.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	11214	End	11631
GI	none	Score	177
Exons	11214..11330, 11215..11352, 11389..11631, 11514..11627		
Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51044	Strand	-
Start	20930	End	21920
Name	OJ990324_02.9819.C22.o3.tw	Method	TBLASTX:Wheat
Start	11260	End	11694
GI	none	Score	78
Exons	11260..11349, 11410..11694		
Seq. No.	24532	Seq. ID	OJ990324_02.9819.C22
Gene No.	51044	Strand	-
Start	20930	End	21920
Name	OJ990324_02.9819.C22.o4.gs	Method	GENSCAN
Start	20930	End	21920
GI	none	Score	.79
Exons	20930..21084, 21896..21920		
Seq. No.	24533	Seq. ID	OJ990324_02.9819.C23
Gene No.	51045	Strand	+
Start	397	End	450
Name	OJ990324_02.9819.C23.o1.gs	Method	GENSCAN
Start	397	End	450
GI	none	Score	.82
Exons	397..450		
Seq. No.	24534	Seq. ID	OJ990324_02.9819.C24
Gene No.	51046	Strand	-
Start	1	End	559
Name	OJ990324_02.9819.C24.o1.np	Method	AAT/NAP
Start	1	End	474
GI	3068809	Score	272
Exons	1..474		
GI Descrip.	(AF059295) Skp1 homolog [Arabidopsis thaliana]		
Seq. No.	24534	Seq. ID	OJ990324_02.9819.C24
Gene No.	51046	Strand	-
Start	1	End	559
Name	OJ990324_02.9819.C24.o1.gs	Method	GENSCAN
Start	36	End	559
GI	none	Score	.65

Exons	36..559		
Seq. No.	24534	Seq. ID	OJ990324_02.9819.C24
Gene No.	51046	Strand	-
Start	1	End	559
Name	OJ990324_02.9819.C24.o1.tc	Method	TBLASTX:Cress
Start	37	End	448
GI	none	Score	71
Exons	37..231, 38..172, 259..342, 278..343, 349..444, 350..448		
Seq. No.	24534	Seq. ID	OJ990324_02.9819.C24
Gene No.	51046	Strand	-
Start	1	End	559
Name	OJ990324_02.9819.C24.o1.ts	Method	TBLASTX:Soybean
Start	37	End	451
GI	none	Score	60
Exons	37..243, 38..136, 268..345, 278..343, 349..423, 403..444, 404..451		
Seq. No.	24534	Seq. ID	OJ990324_02.9819.C24
Gene No.	51046	Strand	-
Start	1	End	559
Name	OJ990324_02.9819.C24.o1.tm	Method	TBLASTX:Maize
Start	46	End	489
GI	none	Score	57
Exons	46..270, 47..172, 244..342, 281..343, 349..489, 349..444		
Seq. No.	24535	Seq. ID	OJ990324_02.9819.C28
Gene No.	51047	Strand	-
Start	1	End	1514
Name	OJ990324_02.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	667
GI	4539658	Score	222
Exons	1..100, 320..498, 540..667		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		
Seq. No.	24535	Seq. ID	OJ990324_02.9819.C28
Gene No.	51047	Strand	-
Start	1	End	1514
Name	OJ990324_02.9819.C28.o3.np	Method	AAT/NAP
Start	1	End	1514
GI	5091513	Score	519
Exons	1..99, 683..1514		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	24535	Seq. ID	OJ990324_02.9819.C28
Gene No.	51047	Strand	-
Start	1	End	1514
Name	OJ990324_02.9819.C28.o1.gp	Method	AAT/GAP
Start	91	End	308
GI	LIB3475-004-P1-K2-A5	Score	335
Exons	91..308		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		
Seq. No.	24535	Seq. ID	OJ990324_02.9819.C28

Gene No.	51047	Strand	-
Start	1	End	1514
Name	OJ990324_02.9819.C28.o1.gs	Method	GENSCAN
Start	318	End	1236
GI	none	Score	.75
Exons	318..462, 862..1236		

Seq. No.	24535	Seq. ID	OJ990324_02.9819.C28
Gene No.	51047	Strand	-
Start	1	End	1514
Name	OJ990324_02.9819.C28.o2.gp	Method	AAT/GAP
Start	545	End	829
GI	LIB3475-004-P1-K2-A5	Score	371
Exons	545..732, 775..829		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	24536	Seq. ID	OJ990324_02.9819.C30
Gene No.	51048	Strand	-
Start	1	End	268
Name	OJ990324_02.9819.C30.o1.gp	Method	AAT/GAP
Start	1	End	268
GI	none	Score	384
Exons	1..268		

Seq. No.	24536	Seq. ID	OJ990324_02.9819.C30
Gene No.	51049	Strand	-
Start	505	End	705
Name	OJ990324_02.9819.C30.o1.gs	Method	GENSCAN
Start	505	End	705
GI	none	Score	.85
Exons	505..705		

Seq. No.	24537	Seq. ID	OJ990324_02.9819.C31
Gene No.	51050	Strand	+
Start	283	End	351
Name	OJ990324_02.9819.C31.o1.gs	Method	GENSCAN
Start	283	End	351
GI	none	Score	.6
Exons	283..351		

Seq. No.	24538	Seq. ID	OJ990324_02.9819.C32
Gene No.	51051	Strand	-
Start	1	End	1629
Name	OJ990324_02.9819.C32.o1.gp	Method	AAT/GAP
Start	1	End	1629
GI	1601_1.R1084	Score	1320
Exons	1..83, 276..347, 472..549, 825..994, 1122..1358, 1496..1629		
GI Descrip.	'2493650/sp|Q43831|RUBB_SECCE 0.0e+00 RUBISCO SUBUNIT BINDING-PROTEIN BETA SUBUNIT (60 KD CHAPERONIN BETA SUBUNIT) (CPN-60 BETA) >gi_1167858_emb_CAA93139_ (Z68903) chaperonin [Secale cereale]'		

Seq. No.	24538	Seq. ID	OJ990324_02.9819.C32
Gene No.	51051	Strand	-
Start	1	End	1629
Name	OJ990324_02.9819.C32.o1.np	Method	AAT/NAP

Start	1	End	1629
GI	2493650	Score	952
Exons	1..83, 276..347, 472..549, 825..994, 1122..1358, 1496..1629		
GI Descrip.	RUBISCO SUBUNIT BINDING-PROTEIN BETA SUBUNIT (60 KD CHAPERONIN BETA SUBUNIT) (CPN-60 BETA) gi|1167858|emb|CAA93139| (Z68903) chaperonin [Secale cereale]		

Seq. No.	24538	Seq. ID	OJ990324_02.9819.C32
Gene No.	51051	Strand	-
Start	1	End	1629
Name	OJ990324_02.9819.C32.o1.tm	Method	TBLASTX:Maize
Start	2	End	1629
GI	none	Score	75
Exons	2..58, 3..59, 4..63, 270..347, 274..348, 277..348, 459..551, 469..543, 469..555, 821..871, 823..996, 825..995, 825..1001, 826..996, 914..1000, 1114..1359, 1115..1357, 1266..1358, 1267..1359, 1500..1628, 1521..1628, 1522..1629, 1522..1629		

Seq. No.	24538	Seq. ID	OJ990324_02.9819.C32
Gene No.	51051	Strand	-
Start	1	End	1629
Name	OJ990324_02.9819.C32.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1629
GI	none	Score	62
Exons	2..58, 4..63, 270..347, 280..348, 469..555, 825..1001, 826..1005, 1114..1359, 1115..1348, 1279..1359, 1500..1628, 1521..1628, 1522..1629		

Seq. No.	24538	Seq. ID	OJ990324_02.9819.C32
Gene No.	51051	Strand	-
Start	1	End	1629
Name	OJ990324_02.9819.C32.o1.tc	Method	TBLASTX:Cress
Start	4	End	1177
GI	none	Score	83
Exons	4..63, 270..347, 280..348, 469..555, 825..995, 825..1001, 826..996, 881..1006, 1114..1176, 1115..1177, 1124..1177		

Seq. No.	24538	Seq. ID	OJ990324_02.9819.C32
Gene No.	51051	Strand	-
Start	1	End	1629
Name	OJ990324_02.9819.C32.o1.gs	Method	GENSCAN
Start	276	End	1356
GI	none	Score	.76
Exons	276..347, 472..549, 825..994, 1122..1356		

Seq. No.	24538	Seq. ID	OJ990324_02.9819.C32
Gene No.	51051	Strand	-
Start	1	End	1629
Name	OJ990324_02.9819.C32.o1.tw	Method	TBLASTX:Wheat
Start	294	End	1165
GI	none	Score	84
Exons	294..347, 295..348, 296..373, 459..551, 469..543, 469..555, 821..871, 823..993, 825..1004, 825..1001, 878..1003, 1114..1164, 1115..1165, 1121..1165		

Seq. No.	24538	Seq. ID	OJ990324_02.9819.C32
Gene No.	51051	Strand	-

Start	1	End	1629
Name	OJ990324_02.9819.C32.o2.tw	Method	TBLASTX:Wheat
Start	1166	End	1559
GI	none	Score	60
Exons	1166..1345, 1168..1356, 1524..1559		

Seq. No.	24538	Seq. ID	OJ990324_02.9819.C32
Gene No.	51051	Strand	-
Start	1	End	1629
Name	OJ990324_02.9819.C32.o2.tc	Method	TBLASTX:Cress
Start	1180	End	1629
GI	none	Score	132
Exons	1180..1359, 1181..1351, 1272..1382, 1276..1353, 1454..1624, 1500..1628, 1521..1628, 1522..1629		

Seq. No.	24539	Seq. ID	OJ990324_02.9819.C34
Gene No.	51052	Strand	-
Start	416	End	595
Name	OJ990324_02.9819.C34.o1.gs	Method	GENSCAN
Start	416	End	595
GI	none	Score	.78
Exons	416..595		

Seq. No.	24540	Seq. ID	OJ990324_02.9819.C35
Gene No.	51053	Strand	-
Start	232	End	399
Name	OJ990324_02.9819.C35.o1.gs	Method	GENSCAN
Start	232	End	399
GI	none	Score	.57
Exons	232..399		

Seq. No.	24541	Seq. ID	OJ990324_02.9819.C37
Gene No.	51054	Strand	+
Start	1	End	884
Name	OJ990324_02.9819.C37.o1.np	Method	AAT/NAP
Start	1	End	884
GI	5295955	Score	76
Exons	1..33, 201..265, 749..884		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	24542	Seq. ID	OJ990324_02.9819.C38
Gene No.	51055	Strand	+
Start	211	End	948
Name	OJ990324_02.9819.C38.o1.tm	Method	TBLASTX:Maize
Start	1	End	834
GI	none	Score	85
Exons	1..63, 1..93, 3..89, 3..101, 201..314, 205..333, 207..461, 399..473, 412..504, 412..504, 440..505, 499..531, 526..576, 528..575, 533..583, 582..650, 586..636, 606..644, 611..661, 644..688, 722..784, 723..767, 724..768, 745..834, 762..797, 769..798		

Seq. No.	24542	Seq. ID	OJ990324_02.9819.C38
Gene No.	51055	Strand	+
Start	211	End	948
Name	OJ990324_02.9819.C38.o1.gs	Method	GENSCAN

Start	211	End	678
GI	none	Score	.81
Exons	211..561, 676..678		

Seq. No.	24542	Seq. ID	OJ990324_02.9819.C38
Gene No.	51055	Strand	+
Start	211	End	948
Name	OJ990324_02.9819.C38.o1.gp	Method	AAT/GAP
Start	242	End	948
GI	none	Score	1227
Exons	242..948		

Seq. No.	24543	Seq. ID	OJ990324_02.9819.C39
Gene No.	51056	Strand	+
Start	1154	End	1754
Name	OJ990324_02.9819.C39.o1.np	Method	AAT/NAP
Start	1154	End	1754
GI	6714424	Score	229
Exons	1154..1207, 1317..1406, 1532..1754		
GI Descrip.	(AC012328) putative ADP-ribosylation factor [Arabidopsis thaliana]		

Seq. No.	24543	Seq. ID	OJ990324_02.9819.C39
Gene No.	51057	Strand	-
Start	1309	End	1653
Name	OJ990324_02.9819.C39.o1.ts	Method	TBLASTX:Soybean
Start	1148	End	1647
GI	none	Score	57
Exons	1148..1189, 1150..1191, 1292..1348, 1316..1348, 1346..1408, 1348..1407, 1528..1647, 1530..1646		

Seq. No.	24543	Seq. ID	OJ990324_02.9819.C39
Gene No.	51057	Strand	-
Start	1309	End	1653
Name	OJ990324_02.9819.C39.o1.tc	Method	TBLASTX:Cress
Start	1149	End	1647
GI	none	Score	38
Exons	1149..1202, 1319..1408, 1528..1635, 1530..1634, 1594..1647		

Seq. No.	24543	Seq. ID	OJ990324_02.9819.C39
Gene No.	51057	Strand	-
Start	1309	End	1653
Name	OJ990324_02.9819.C39.o1.tm	Method	TBLASTX:Maize
Start	1153	End	1653
GI	none	Score	50
Exons	1153..1191, 1154..1189, 1292..1345, 1313..1348, 1345..1407, 1346..1408, 1528..1647, 1530..1646, 1534..1653		

Seq. No.	24543	Seq. ID	OJ990324_02.9819.C39
Gene No.	51057	Strand	-
Start	1309	End	1653
Name	OJ990324_02.9819.C39.o1.tw	Method	TBLASTX:Wheat
Start	1154	End	1641
GI	none	Score	37
Exons	1154..1180, 1292..1348, 1313..1339, 1314..1349, 1346..1408, 1348..1407, 1356..1421, 1528..1641, 1530..1628		

Seq. No.	24543	Seq. ID	OJ990324_02.9819.C39
Gene No.	51057	Strand	-
Start	1309	End	1653
Name	OJ990324_02.9819.C39.o1.gs	Method	GENSCAN
Start	1309	End	1506
GI	none	Score	.79
Exons	1309..1506		

Seq. No.	24544	Seq. ID	OJ990324_02.9819.C40
Gene No.	51058	Strand	-
Start	45	End	668
Name	OJ990324_02.9819.C40.o1.gs	Method	GENSCAN
Start	45	End	668
GI	none	Score	.48
Exons	45..668		

Seq. No.	24544	Seq. ID	OJ990324_02.9819.C40
Gene No.	51058	Strand	-
Start	45	End	668
Name	OJ990324_02.9819.C40.o1.np	Method	AAT/NAP
Start	52	End	533
GI	4874308	Score	238
Exons	52..533		
GI Descrip.	(AC006053) putative kinetechore (Skp1p-like) protein [Arabidopsis thaliana]		

Seq. No.	24544	Seq. ID	OJ990324_02.9819.C40
Gene No.	51058	Strand	-
Start	45	End	668
Name	OJ990324_02.9819.C40.o1.tc	Method	TBLASTX:Cress
Start	147	End	504
GI	none	Score	72
Exons	147..287, 315..398, 334..399, 405..500, 406..504		

Seq. No.	24544	Seq. ID	OJ990324_02.9819.C40
Gene No.	51058	Strand	-
Start	45	End	668
Name	OJ990324_02.9819.C40.o1.tm	Method	TBLASTX:Maize
Start	147	End	545
GI	none	Score	59
Exons	147..326, 300..398, 337..399, 405..545, 405..500		

Seq. No.	24545	Seq. ID	OJ990324_02.9819.C41
Gene No.	51059	Strand	-
Start	1	End	1062
Name	OJ990324_02.9819.C41.o1.np	Method	AAT/NAP
Start	1	End	1062
GI	6840824	Score	323
Exons	1..98, 191..217, 390..511, 625..796, 859..1062		
GI Descrip.	(AF077224) iron-superoxide dismutase precursor [Vigna unguiculata]		

Seq. No.	24545	Seq. ID	OJ990324_02.9819.C41
Gene No.	51059	Strand	-
Start	1	End	1062
Name	OJ990324_02.9819.C41.o1.gs	Method	GENSCAN
Start	393	End	796

GI	none	Score	.91
Exons	393..511, 625..796		
Seq. No.	24545	Seq. ID	OJ990324_02.9819.C41
Gene No.	51059	Strand	-
Start	1	End	1062
Name	OJ990324_02.9819.C41.o1.tc	Method	TBLASTX:Cress
Start	399	End	1050
GI	none	Score	129
Exons	399..449, 624..668, 629..793,	630..794, 735..794, 886..1050	
Seq. No.	24545	Seq. ID	OJ990324_02.9819.C41
Gene No.	51059	Strand	-
Start	1	End	1062
Name	OJ990324_02.9819.C41.o1.ts	Method	TBLASTX:Soybean
Start	399	End	1053
GI	none	Score	54
Exons	399..476, 400..510, 621..794, 721..798, 901..1053	621..677, 629..796, 632..799,	
Seq. No.	24546	Seq. ID	OJ990324_02.9819.C42
Gene No.	51060	Strand	-
Start	47	End	157
Name	OJ990324_02.9819.C42.o1.gp	Method	AAT/GAP
Start	47	End	157
GI	2442481	Score	162
Exons	47..157		
Seq. No.	24547	Seq. ID	OJ990324_02.9819.C43
Gene No.	51061	Strand	-
Start	466	End	547
Name	OJ990324_02.9819.C43.o1.gs	Method	GENSCAN
Start	466	End	547
GI	none	Score	.85
Exons	466..547		
Seq. No.	24548	Seq. ID	OJ990324_02.9819.C44
Gene No.	51062	Strand	+
Start	506	End	648
Name	OJ990324_02.9819.C44.o1.gs	Method	GENSCAN
Start	506	End	648
GI	none	Score	.55
Exons	506..648		
Seq. No.	24549	Seq. ID	OJ990324_02.9819.C45
Gene No.	51063	Strand	+
Start	99	End	488
Name	OJ990324_02.9819.C45.o1.gs	Method	GENSCAN
Start	99	End	488
GI	none	Score	.63
Exons	99..249, 415..488		
Seq. No.	24550	Seq. ID	OJ990224_06.9819.C1
Gene No.	51064	Strand	+
Start	1	End	1082
Name	OJ990224_06.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	1082

GI	6498441	Score	546
Exons	1..1082		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	24550	Seq. ID	OJ990224_06.9819.C1
Gene No.	51064	Strand	+
Start	1	End	1082
Name	OJ990224_06.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	474	End	796
GI	none	Score	137
Exons	474..767, 475..795, 476..796		

Seq. No.	24550	Seq. ID	OJ990224_06.9819.C1
Gene No.	51064	Strand	+
Start	1	End	1082
Name	OJ990224_06.9819.C1.o1.gs	Method	GENSCAN
Start	530	End	782
GI	none	Score	.46
Exons	530..782		

Seq. No.	24550	Seq. ID	OJ990224_06.9819.C1
Gene No.	51064	Strand	+
Start	1	End	1082
Name	OJ990224_06.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	605	End	793
GI	none	Score	215
Exons	605..793, 640..792		

Seq. No.	24551	Seq. ID	OJ990224_06.9819.C2
Gene No.	51065	Strand	+
Start	1	End	845
Name	OJ990224_06.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	623
GI	6907089	Score	238
Exons	1..623		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24551	Seq. ID	OJ990224_06.9819.C2
Gene No.	51065	Strand	+
Start	1	End	845
Name	OJ990224_06.9819.C2.o2.np	Method	AAT/NAP
Start	289	End	845
GI	6721558	Score	65
Exons	289..367, 696..845		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	24551	Seq. ID	OJ990224_06.9819.C2
Gene No.	51066	Strand	-
Start	33	End	584
Name	OJ990224_06.9819.C2.o1.gs	Method	GENSCAN
Start	33	End	584
GI	none	Score	.91
Exons	33..411, 511..584		

Seq. No.	24552	Seq. ID	OJ990224_06.9819.C4
Gene No.	51067	Strand	-
Start	370	End	1367
Name	OJ990224_06.9819.C4.o1.gs	Method	GENSCAN
Start	370	End	1367
GI	none	Score	.66
Exons	370..487, 1333..1367		

Seq. No.	24553	Seq. ID	OJ990224_06.9819.C5
Gene No.	51068	Strand	+
Start	283	End	399
Name	OJ990224_06.9819.C5.o1.gs	Method	GENSCAN
Start	283	End	399
GI	none	Score	.46
Exons	283..399		

Seq. No.	24554	Seq. ID	OJ990224_06.9819.C7
Gene No.	51069	Strand	+
Start	844	End	2988
Name	OJ990224_06.9819.C7.o1.np	Method	AAT/NAP
Start	844	End	2988
GI	5042454	Score	2310
Exons	844..998, 1328..1431, 1487..2988		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	24554	Seq. ID	OJ990224_06.9819.C7
Gene No.	51069	Strand	+
Start	844	End	2988
Name	OJ990224_06.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	2159	End	2551
GI	none	Score	58
Exons	2159..2206, 2213..2311, 2218..2310, 2278..2517, 2294..2551		

Seq. No.	24554	Seq. ID	OJ990224_06.9819.C7
Gene No.	51069	Strand	+
Start	844	End	2988
Name	OJ990224_06.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	2201	End	2455
GI	none	Score	200
Exons	2201..2455		

Seq. No.	24555	Seq. ID	OJ990224_06.9819.C9
Gene No.	51070	Strand	-
Start	463	End	678
Name	OJ990224_06.9819.C9.o1.gs	Method	GENSCAN
Start	463	End	678
GI	none	Score	.4
Exons	463..678		

Seq. No.	24556	Seq. ID	OJ990224_06.9819.C10
Gene No.	51071	Strand	+
Start	191	End	646
Name	OJ990224_06.9819.C10.o1.gs	Method	GENSCAN
Start	191	End	646
GI	none	Score	.62
Exons	191..218, 498..646		

Seq. No.	24557	Seq. ID	OJ990224_06.9819.C12
Gene No.	51072	Strand	+
Start	405	End	630
Name	OJ990224_06.9819.C12.o1.gs	Method	GENSCAN
Start	405	End	630
GI	none	Score	.49
Exons	405..630		

Seq. No.	24558	Seq. ID	OJ990224_06.9819.C14
Gene No.	51073	Strand	+
Start	1	End	1912
Name	OJ990224_06.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	1912
GI	6721512	Score	82
Exons	1..78, 765..856, 884..1019, 1869..1912		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	24558	Seq. ID	OJ990224_06.9819.C14
Gene No.	51074	Strand	-
Start	721	End	1370
Name	OJ990224_06.9819.C14.o1.gs	Method	GENSCAN
Start	721	End	1370
GI	none	Score	.66
Exons	721..793, 1192..1249, 1367..1370		

Seq. No.	24559	Seq. ID	OJ990224_06.9819.C15
Gene No.	51075	Strand	+
Start	530	End	738
Name	OJ990224_06.9819.C15.o1.np	Method	AAT/NAP
Start	530	End	738
GI	5803259	Score	245
Exons	530..738		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	24559	Seq. ID	OJ990224_06.9819.C15
Gene No.	51076	Strand	-
Start	485	End	655
Name	OJ990224_06.9819.C15.o1.gs	Method	GENSCAN
Start	485	End	655
GI	none	Score	.56
Exons	485..655		

Seq. No.	24560	Seq. ID	OJ990224_06.9819.C16
Gene No.	51077	Strand	+
Start	1	End	450
Name	OJ990224_06.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	447
GI	6539586	Score	586
Exons	1..447		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	24560	Seq. ID	OJ990224_06.9819.C16
Gene No.	51077	Strand	+
Start	1	End	450
Name	OJ990224_06.9819.C16.o1.gs	Method	GENSCAN
Start	286	End	450

GI	none	Score	.67
Exons	286..450		

Seq. No.	24560	Seq. ID	OJ990224_06.9819.C16
Gene No.	51078	Strand	-
Start	1084	End	1220
Name	OJ990224_06.9819.C16.o2.gs	Method	GENSCAN
Start	1084	End	1209
GI	none	Score	.96
Exons	1084..1209		

Seq. No.	24560	Seq. ID	OJ990224_06.9819.C16
Gene No.	51078	Strand	-
Start	1084	End	1220
Name	OJ990224_06.9819.C16.o2.np	Method	AAT/NAP
Start	1087	End	1220
GI	6498441	Score	233
Exons	1087..1220		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	24561	Seq. ID	OJ990224_06.9819.C17
Gene No.	51079	Strand	-
Start	321	End	551
Name	OJ990224_06.9819.C17.o1.np	Method	AAT/NAP
Start	321	End	551
GI	4062934	Score	183
Exons	321..551		
GI Descrip.	(D88272) formate dehydrogenase [Hordeum vulgare]		

Seq. No.	24561	Seq. ID	OJ990224_06.9819.C17
Gene No.	51079	Strand	-
Start	321	End	551
Name	OJ990224_06.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	351	End	551
GI	none	Score	100
Exons	351..551, 432..542, 439..546		

Seq. No.	24561	Seq. ID	OJ990224_06.9819.C17
Gene No.	51079	Strand	-
Start	321	End	551
Name	OJ990224_06.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	351	End	551
GI	none	Score	126
Exons	351..551, 432..545, 434..547		

Seq. No.	24561	Seq. ID	OJ990224_06.9819.C17
Gene No.	51079	Strand	-
Start	321	End	551
Name	OJ990224_06.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	351	End	551
GI	none	Score	159
Exons	351..551, 432..545		

Seq. No.	24562	Seq. ID	OJ990224_06.9819.C18
Gene No.	51080	Strand	-

Start	330	End	572
Name	OJ990224_06.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	324	End	511
GI	none	Score	165
Exons	324..500, 336..506, 338..511		

Seq. No.	24562	Seq. ID	OJ990224_06.9819.C18
Gene No.	51080	Strand	-
Start	330	End	572
Name	OJ990224_06.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	324	End	506
GI	none	Score	188
Exons	324..497, 339..506		

Seq. No.	24562	Seq. ID	OJ990224_06.9819.C18
Gene No.	51080	Strand	-
Start	330	End	572
Name	OJ990224_06.9819.C18.o1.gs	Method	GENSCAN
Start	330	End	506
GI	none	Score	.75
Exons	330..506		

Seq. No.	24562	Seq. ID	OJ990224_06.9819.C18
Gene No.	51080	Strand	-
Start	330	End	572
Name	OJ990224_06.9819.C18.o1.np	Method	AAT/NAP
Start	335	End	572
GI	4760553	Score	232
Exons	335..572		
GI Descrip.	(AB019533) Nad-dependent formate dehydrogenase [Oryza sativa]		

Seq. No.	24562	Seq. ID	OJ990224_06.9819.C18
Gene No.	51080	Strand	-
Start	330	End	572
Name	OJ990224_06.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	336	End	506
GI	none	Score	135
Exons	336..506, 346..459		

Seq. No.	24562	Seq. ID	OJ990224_06.9819.C18
Gene No.	51080	Strand	-
Start	330	End	572
Name	OJ990224_06.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	345	End	503
GI	none	Score	112
Exons	345..503, 346..459, 354..491		

Seq. No.	24563	Seq. ID	OJ990224_06.9819.C19
Gene No.	51081	Strand	+
Start	1	End	331
Name	OJ990224_06.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	331
GI	136125	Score	158
Exons	1..331		
GI Descrip.	PUTATIVE AC TRANSPOSASE (ORFA) gi|22113|emb|CAA29005| (X05424) ORFa [Zea mays]		

Seq. No.	24563	Seq. ID	OJ990224_06.9819.C19
Gene No.	51082	Strand	+
Start	465	End	653
Name	OJ990224_06.9819.C19.o1.gs	Method	GENSCAN
Start	465	End	653
GI	none	Score	.51
Exons	465..524, 580..653		

Seq. No.	24564	Seq. ID	OJ990224_06.9819.C20
Gene No.	51083	Strand	+
Start	1	End	177
Name	OJ990224_06.9819.C20.o1.gp	Method	AAT/GAP
Start	1	End	177
GI	none	Score	226
Exons	1..177		

Seq. No.	24564	Seq. ID	OJ990224_06.9819.C20
Gene No.	51084	Strand	-
Start	337	End	475
Name	OJ990224_06.9819.C20.o1.np	Method	AAT/NAP
Start	337	End	475
GI	5852093	Score	54
Exons	337..475		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	24565	Seq. ID	OJ990224_06.9819.C21
Gene No.	51085	Strand	+
Start	791	End	830
Name	OJ990224_06.9819.C21.o1.gs	Method	GENSCAN
Start	791	End	830
GI	none	Score	.54
Exons	791..830		

Seq. No.	24566	Seq. ID	OJ990224_06.9819.C24
Gene No.	51086	Strand	+
Start	252	End	741
Name	OJ990224_06.9819.C24.o1.np	Method	AAT/NAP
Start	252	End	741
GI	3176674	Score	278
Exons	252..741		
GI Descrip.	(AC003671) Contains similarity to Ste20-like kinase homolog from A. thaliana chromosome 4 contig gb|Z97336. [Arabidopsis thaliana]		

Seq. No.	24566	Seq. ID	OJ990224_06.9819.C24
Gene No.	51086	Strand	+
Start	252	End	741
Name	OJ990224_06.9819.C24.o1.gs	Method	GENSCAN
Start	312	End	665
GI	none	Score	.89
Exons	312..368, 411..665		

Seq. No.	24566	Seq. ID	OJ990224_06.9819.C24
Gene No.	51086	Strand	+
Start	252	End	741
Name	OJ990224_06.9819.C24.o1.ts	Method	TBLASTX:Soybean
Start	410	End	667

GI	none	Score	378
Exons	410..664, 411..665, 476..667		

Seq. No.	24567	Seq. ID	OJ990224_06.9819.C27
Gene No.	51087	Strand	-
Start	1	End	594
Name	OJ990224_06.9819.C27.o1.np	Method	AAT/NAP
Start	1	End	594
GI	3176674	Score	131
Exons	1..53, 385..594		
GI Descrip.	(AC003671) Contains similarity to Ste20-like kinase homolog from A. thaliana chromosome 4 contig gb|Z97336. [Arabidopsis thaliana]		

Seq. No.	24567	Seq. ID	OJ990224_06.9819.C27
Gene No.	51087	Strand	-
Start	1	End	594
Name	OJ990224_06.9819.C27.o1.gs	Method	GENSCAN
Start	201	End	588
GI	none	Score	.49
Exons	201..273, 443..588		

Seq. No.	24568	Seq. ID	OJ990224_06.9819.C28
Gene No.	51088	Strand	+
Start	282	End	1011
Name	OJ990224_06.9819.C28.o1.gs	Method	GENSCAN
Start	282	End	1011
GI	none	Score	.5
Exons	282..1011		

Seq. No.	24568	Seq. ID	OJ990224_06.9819.C28
Gene No.	51089	Strand	-
Start	1	End	324
Name	OJ990224_06.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	324
GI	6721512	Score	106
Exons	1..191, 219..324		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	24569	Seq. ID	OJ990224_06.9819.C29
Gene No.	51090	Strand	-
Start	1	End	732
Name	OJ990224_06.9819.C29.o1.np	Method	AAT/NAP
Start	1	End	732
GI	6498441	Score	1169
Exons	1..732		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	24569	Seq. ID	OJ990224_06.9819.C29
Gene No.	51090	Strand	-
Start	1	End	732
Name	OJ990224_06.9819.C29.o2.tw	Method	TBLASTX:Wheat
Start	54	End	272
GI	none	Score	135
Exons	54..272, 58..267, 78..272		

Seq. No.	24569	Seq. ID	OJ990224_06.9819.C29
Gene No.	51090	Strand	-
Start	1	End	732
Name	OJ990224_06.9819.C29.o1.gs	Method	GENSCAN
Start	114	End	653
GI	none	Score	.63
Exons	114..474, 485..653		

Seq. No.	24569	Seq. ID	OJ990224_06.9819.C29
Gene No.	51090	Strand	-
Start	1	End	732
Name	OJ990224_06.9819.C29.o1.tw	Method	TBLASTX:Wheat
Start	273	End	654
GI	none	Score	174
Exons	273..653, 307..552, 598..654		

Seq. No.	24569	Seq. ID	OJ990224_06.9819.C29
Gene No.	51090	Strand	-
Start	1	End	732
Name	OJ990224_06.9819.C29.o1.tm	Method	TBLASTX:Maize
Start	429	End	731
GI	none	Score	185
Exons	429..476, 448..597, 468..731, 481..729		

Seq. No.	24570	Seq. ID	OJ990224_06.9819.C32
Gene No.	51091	Strand	+
Start	1	End	1433
Name	OJ990224_06.9819.C32.o1.np	Method	AAT/NAP
Start	1	End	1018
GI	4062934	Score	351
Exons	1..28, 325..443, 908..1018		
GI Descrip.	(D88272) formate dehydrogenase [Hordeum vulgare]		

Seq. No.	24570	Seq. ID	OJ990224_06.9819.C32
Gene No.	51091	Strand	+
Start	1	End	1433
Name	OJ990224_06.9819.C32.o1.ts	Method	TBLASTX:Soybean
Start	322	End	1123
GI	none	Score	227
Exons	322..441, 327..452, 330..443, 898..1014, 905..1021, 911..1123		

Seq. No.	24570	Seq. ID	OJ990224_06.9819.C32
Gene No.	51091	Strand	+
Start	1	End	1433
Name	OJ990224_06.9819.C32.o1.tm	Method	TBLASTX:Maize
Start	327	End	1022
GI	none	Score	233
Exons	327..452, 330..443, 898..1020, 905..1021, 927..1022		

Seq. No.	24570	Seq. ID	OJ990224_06.9819.C32
Gene No.	51091	Strand	+
Start	1	End	1433
Name	OJ990224_06.9819.C32.o1.gp	Method	AAT/GAP
Start	329	End	1433
GI	81_1.R1084	Score	1144
Exons	329..443, 908..1433		

GI Descrip.	'4760553/dbj|BAA77337.1| 0.0e+00 (AB019533) Nad-dependent formate dehydrogenase [Oryza sativa]'		
Seq. No.	24570	Seq. ID	OJ990224_06.9819.C32
Gene No.	51091	Strand	+
Start	1	End	1433
Name	OJ990224_06.9819.C32.o1.tc	Method	TBLASTX:Cress
Start	329	End	1021
GI	none	Score	204
Exons	329..439, 330..452, 333..443, 905..1021, 907..1020, 932..1021		
Seq. No.	24571	Seq. ID	OJ990224_06.9819.C33
Gene No.	51092	Strand	+
Start	1	End	763
Name	OJ990224_06.9819.C33.o1.np	Method	AAT/NAP
Start	1	End	763
GI	6498441	Score	496
Exons	1..86, 260..763		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	24571	Seq. ID	OJ990224_06.9819.C33
Gene No.	51093	Strand	-
Start	104	End	484
Name	OJ990224_06.9819.C33.o1.tm	Method	TBLASTX:Maize
Start	55	End	299
GI	none	Score	167
Exons	55..195, 60..194, 189..299		
Seq. No.	24571	Seq. ID	OJ990224_06.9819.C33
Gene No.	51093	Strand	-
Start	104	End	484
Name	OJ990224_06.9819.C33.o1.ts	Method	TBLASTX:Soybean
Start	55	End	422
GI	none	Score	147
Exons	55..195, 69..194, 192..422		
Seq. No.	24571	Seq. ID	OJ990224_06.9819.C33
Gene No.	51093	Strand	-
Start	104	End	484
Name	OJ990224_06.9819.C33.o1.tw	Method	TBLASTX:Wheat
Start	58	End	397
GI	none	Score	181
Exons	58..204, 72..194, 73..195, 186..392, 212..397		
Seq. No.	24571	Seq. ID	OJ990224_06.9819.C33
Gene No.	51093	Strand	-
Start	104	End	484
Name	OJ990224_06.9819.C33.o1.gs	Method	GENSCAN
Start	104	End	484
GI	none	Score	.44
Exons	104..239, 431..484		
Seq. No.	24572	Seq. ID	OJ990224_06.9819.C34
Gene No.	51094	Strand	+
Start	1	End	1260

Name	OJ990224_06.9819.C34.o1.np	Method	AAT/NAP
Start	1	End	1260
GI	6498441	Score	1491
Exons	1..765, 937..1260		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	24572	Seq. ID	OJ990224_06.9819.C34
Gene No.	51094	Strand	+
Start	1	End	1260
Name	OJ990224_06.9819.C34.o1.gs	Method	GENSCAN
Start	220	End	1212
GI	none	Score	.73
Exons	220..567, 691..1212		

Seq. No.	24572	Seq. ID	OJ990224_06.9819.C34
Gene No.	51094	Strand	+
Start	1	End	1260
Name	OJ990224_06.9819.C34.o1.tw	Method	TBLASTX:Wheat
Start	637	End	1071
GI	none	Score	232
Exons	637..861, 702..878, 922..1071, 933..1070		

Seq. No.	24573	Seq. ID	OJ990224_06.9819.C35
Gene No.	51095	Strand	+
Start	86	End	754
Name	OJ990224_06.9819.C35.o1.np	Method	AAT/NAP
Start	86	End	754
GI	6907089	Score	636
Exons	86..754		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24574	Seq. ID	OJ990224_06.9819.C36
Gene No.	51096	Strand	+
Start	659	End	862
Name	OJ990224_06.9819.C36.o1.gs	Method	GENSCAN
Start	659	End	862
GI	none	Score	.4
Exons	659..707, 746..862		

Seq. No.	24575	Seq. ID	OJ990224_06.9819.C38
Gene No.	51097	Strand	+
Start	393	End	752
Name	OJ990224_06.9819.C38.o1.np	Method	AAT/NAP
Start	393	End	752
GI	6815109	Score	94
Exons	393..752		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	24576	Seq. ID	OJ990224_06.9819.C39
Gene No.	51098	Strand	-
Start	323	End	517
Name	OJ990224_06.9819.C39.o1.gs	Method	GENSCAN
Start	323	End	517
GI	none	Score	.64
Exons	323..517		

Seq. No.	24577	Seq. ID	OJ990224_06.9819.C41
Gene No.	51099	Strand	+
Start	105	End	719
Name	OJ990224_06.9819.C41.o1.np	Method	AAT/NAP
Start	105	End	719
GI	5922623	Score	99
Exons	105..185, 627..719		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	24577	Seq. ID	OJ990224_06.9819.C41
Gene No.	51100	Strand	-
Start	102	End	308
Name	OJ990224_06.9819.C41.o1.gs	Method	GENSCAN
Start	102	End	308
GI	none	Score	.7
Exons	102..308		

Seq. No.	24578	Seq. ID	OJ990224_06.9819.C42
Gene No.	51101	Strand	-
Start	1	End	878
Name	OJ990224_06.9819.C42.o1.np	Method	AAT/NAP
Start	1	End	760
GI	6721561	Score	418
Exons	1..364, 428..654, 691..760		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	24578	Seq. ID	OJ990224_06.9819.C42
Gene No.	51101	Strand	-
Start	1	End	878
Name	OJ990224_06.9819.C42.o1.gs	Method	GENSCAN
Start	79	End	806
GI	none	Score	.72
Exons	79..364, 428..459, 527..655, 723..806		

Seq. No.	24578	Seq. ID	OJ990224_06.9819.C42
Gene No.	51101	Strand	-
Start	1	End	878
Name	OJ990224_06.9819.C42.o2.np	Method	AAT/NAP
Start	103	End	878
GI	6721558	Score	90
Exons	103..174, 563..878		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	24579	Seq. ID	OJ990224_06.9819.C43
Gene No.	51102	Strand	-
Start	875	End	3472
Name	OJ990224_06.9819.C43.o1.np	Method	AAT/NAP
Start	319	End	3417

GI	5902445	Score	2789
Exons	319..1558, 1589..3417		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	24579	Seq. ID	OJ990224_06.9819.C43
Gene No.	51102	Strand	-
Start	875	End	3472
Name	OJ990224_06.9819.C43.o3.tw	Method	TBLASTX:Wheat
Start	328	End	940
GI	none	Score	50
Exons	328..450, 484..609, 668..940, 837..926		

Seq. No.	24579	Seq. ID	OJ990224_06.9819.C43
Gene No.	51102	Strand	-
Start	875	End	3472
Name	OJ990224_06.9819.C43.o1.gs	Method	GENSCAN
Start	875	End	3417
GI	none	Score	.45
Exons	875..1267, 1316..1687, 1741..1865, 1926..2117, 2404..2575, 2688..2793, 2835..3132, 3198..3417		

Seq. No.	24579	Seq. ID	OJ990224_06.9819.C43
Gene No.	51102	Strand	-
Start	875	End	3472
Name	OJ990224_06.9819.C43.o5.tw	Method	TBLASTX:Wheat
Start	962	End	1289
GI	none	Score	60
Exons	962..1093, 972..1091, 1089..1289, 1090..1197		

Seq. No.	24579	Seq. ID	OJ990224_06.9819.C43
Gene No.	51102	Strand	-
Start	875	End	3472
Name	OJ990224_06.9819.C43.o3.tm	Method	TBLASTX:Maize
Start	1134	End	1438
GI	none	Score	70
Exons	1134..1307, 1135..1311, 1289..1438, 1296..1421		

Seq. No.	24579	Seq. ID	OJ990224_06.9819.C43
Gene No.	51102	Strand	-
Start	875	End	3472
Name	OJ990224_06.9819.C43.o6.tw	Method	TBLASTX:Wheat
Start	1639	End	1923
GI	none	Score	80
Exons	1639..1923, 1682..1903		

Seq. No.	24579	Seq. ID	OJ990224_06.9819.C43
Gene No.	51102	Strand	-
Start	875	End	3472
Name	OJ990224_06.9819.C43.o4.tw	Method	TBLASTX:Wheat
Start	1927	End	2334
GI	none	Score	55
Exons	1927..2100, 1928..2050, 2107..2334, 2114..2302		

Seq. No.	24579	Seq. ID	OJ990224_06.9819.C43
Gene No.	51102	Strand	-
Start	875	End	3472
Name	OJ990224_06.9819.C43.o1.ts	Method	TBLASTX:Soybean

Start	2423	End	2816
GI	none	Score	90
Exons	2423..2815, 2673..2816		

Seq. No.	24579	Seq. ID	OJ990224_06.9819.C43
Gene No.	51102	Strand	-
Start	875	End	3472
Name	OJ990224_06.9819.C43.o2.tw	Method	TBLASTX:Wheat
Start	2478	End	2902
GI	none	Score	267
Exons	2478..2855, 2480..2902, 2510..2899		

Seq. No.	24579	Seq. ID	OJ990224_06.9819.C43
Gene No.	51102	Strand	-
Start	875	End	3472
Name	OJ990224_06.9819.C43.o2.tm	Method	TBLASTX:Maize
Start	2576	End	2959
GI	none	Score	140
Exons	2576..2959, 2577..2855		

Seq. No.	24579	Seq. ID	OJ990224_06.9819.C43
Gene No.	51102	Strand	-
Start	875	End	3472
Name	OJ990224_06.9819.C43.o1.tm	Method	TBLASTX:Maize
Start	2987	End	3342
GI	none	Score	147
Exons	2987..3220, 2988..3215, 3206..3280, 3208..3342		

Seq. No.	24579	Seq. ID	OJ990224_06.9819.C43
Gene No.	51102	Strand	-
Start	875	End	3472
Name	OJ990224_06.9819.C43.o1.tw	Method	TBLASTX:Wheat
Start	3018	End	3472
GI	none	Score	158
Exons	3018..3212, 3018..3215, 3029..3220, 3208..3471, 3209..3472		

Seq. No.	24579	Seq. ID	OJ990224_06.9819.C43
Gene No.	51102	Strand	-
Start	875	End	3472
Name	OJ990224_06.9819.C43.o2.ts	Method	TBLASTX:Soybean
Start	3068	End	3432
GI	none	Score	113
Exons	3068..3205, 3208..3432		

Seq. No.	24580	Seq. ID	OJ990224_06.9819.C44
Gene No.	51103	Strand	-
Start	358	End	1669
Name	OJ990224_06.9819.C44.o1.gs	Method	GENSCAN
Start	358	End	1284
GI	none	Score	.6
Exons	358..1284		

Seq. No.	24580	Seq. ID	OJ990224_06.9819.C44
Gene No.	51103	Strand	-
Start	358	End	1669
Name	OJ990224_06.9819.C44.o1.np	Method	AAT/NAP
Start	472	End	1669

GI	6721562	Score	430
Exons	472..1147, 1540..1669		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	24580	Seq. ID	OJ990224_06.9819.C44
Gene No.	51103	Strand	-
Start	358	End	1669
Name	OJ990224_06.9819.C44.o1.tw	Method	TBLASTX:Wheat
Start	667	End	1059
GI	none	Score	75
Exons	667..942, 722..895, 901..1014, 907..990, 1015..1059		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51104	Strand	+
Start	5785	End	6815
Name	OJ990304_08.9819.C1.o2.gp	Method	AAT/GAP
Start	5785	End	6815
GI	2114_1.R1084	Score	1683
Exons	5785..5949, 5981..6815		
GI Descrip.	'4836892/gb|AAD30595.1|AC007369_5 1.0e-117 (AC007369) Putative RNA helicase [Arabidopsis thaliana]'		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51104	Strand	+
Start	5785	End	6815
Name	OJ990304_08.9819.C1.o1.gp	Method	AAT/GAP
Start	5785	End	6813
GI	2114_1.R1084	Score	1688
Exons	5785..5949, 5981..6813		
GI Descrip.	'4836892/gb|AAD30595.1|AC007369_5 1.0e-117 (AC007369) Putative RNA helicase [Arabidopsis thaliana]'		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51105	Strand	+
Start	6769	End	7075
Name	OJ990304_08.9819.C1.o3.gp	Method	AAT/GAP
Start	6769	End	7075
GI	61605_3.R1084	Score	417
Exons	6769..7075		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51106	Strand	-
Start	1338	End	2480
Name	OJ990304_08.9819.C1.o1.gs	Method	GENSCAN
Start	1338	End	2480
GI	none	Score	1
Exons	1338..2480		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51107	Strand	-
Start	3475	End	4988

Name	OJ990304_08.9819.C1.o2.gs	Method	GENSCAN
Start	3475	End	4988
GI	none	Score	.97
Exons	3475..3969, 3999..4988		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51107	Strand	-
Start	3475	End	4988
Name	OJ990304_08.9819.C1.o1.np	Method	AAT/NAP
Start	3484	End	4985
GI	5042429	Score	868
Exons	3484..4985		
GI Descrip.	(AC006193) Putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51108	Strand	-
Start	6070	End	10925
Name	OJ990304_08.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	1403	End	6374
GI	none	Score	151
Exons	1403..1435, 6039..6218, 6055..6231, 6055..6231, 6074..6235, 6230..6295, 6234..6296, 6281..6316, 6285..6314, 6308..6373, 6309..6374		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51108	Strand	-
Start	6070	End	10925
Name	OJ990304_08.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	3493	End	4808
GI	none	Score	51
Exons	3493..3582, 3494..3532, 3589..3735, 3590..3736, 3728..3964, 3739..3963, 3996..4136, 4000..4107, 4023..4130, 4206..4436, 4528..4641, 4734..4808		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51108	Strand	-
Start	6070	End	10925
Name	OJ990304_08.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	3493	End	4626
GI	none	Score	102
Exons	3493..3720, 3605..3736, 3710..3964, 3721..3966, 3996..4157, 4015..4089, 4528..4626		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51108	Strand	-
Start	6070	End	10925
Name	OJ990304_08.9819.C1.o2.ts	Method	TBLASTX:Soybean
Start	3493	End	4704
GI	none	Score	94
Exons	3493..3732, 3494..3733, 3689..3964, 3727..3972, 3996..4124, 4027..4092, 4206..4286, 4519..4704		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51108	Strand	-
Start	6070	End	10925
Name	OJ990304_08.9819.C1.o3.tw	Method	TBLASTX:Wheat
Start	3496	End	3858

GI	none	Score	139
Exons	3496..3582, 3497..3736, 3589..3735, 3686..3853, 3730..3858		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51108	Strand	-
Start	6070	End	10925
Name	OJ990304_08.9819.C1.o2.tw	Method	TBLASTX:Wheat
Start	4528	End	4887
GI	none	Score	177
Exons	4528..4704, 4529..4702, 4663..4734, 4758..4886, 4759..4887		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51108	Strand	-
Start	6070	End	10925
Name	OJ990304_08.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	6049	End	6818
GI	none	Score	167
Exons	6049..6228, 6068..6223, 6070..6231, 6071..6235, 6230..6388, 6237..6389, 6249..6392, 6250..6393, 6389..6754, 6390..6755, 6391..6756, 6753..6812, 6761..6811, 6765..6818		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51108	Strand	-
Start	6070	End	10925
Name	OJ990304_08.9819.C1.o2.np	Method	AAT/NAP
Start	6058	End	10925
GI	4836892	Score	740
Exons	6058..6813, 10903..10925		
GI Descrip.	(AC007369) Putative RNA helicase [Arabidopsis thaliana]		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51108	Strand	-
Start	6070	End	10925
Name	OJ990304_08.9819.C1.o3.gs	Method	GENSCAN
Start	6070	End	7805
GI	none	Score	.75
Exons	6070..6176, 6392..6590, 7574..7689, 7751..7805		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51108	Strand	-
Start	6070	End	10925
Name	OJ990304_08.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	6232	End	6819
GI	none	Score	102
Exons	6232..6300, 6233..6319, 6234..6317, 6332..6388, 6390..6755, 6394..6756, 6399..6755, 6756..6815, 6766..6819		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51108	Strand	-
Start	6070	End	10925
Name	OJ990304_08.9819.C1.o4.tw	Method	TBLASTX:Wheat
Start	6643	End	6818
GI	none	Score	133
Exons	6643..6756, 6643..6753, 6645..6755, 6753..6812, 6760..6813, 6761..6814, 6764..6814, 6765..6818		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1

Gene No.	51108	Strand	-
Start	6070	End	10925
Name	OJ990304_08.9819.C1.o3.np	Method	AAT/NAP
Start	7434	End	10925
GI	6063554	Score	303
Exons	7434..7607, 8228..8275, 8783..8982, 9016..9134, 10876..10925		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51108	Strand	-
Start	6070	End	10925
Name	OJ990304_08.9819.C1.o4.gs	Method	GENSCAN
Start	8430	End	9300
GI	none	Score	.51
Exons	8430..8541, 8587..8782, 8811..8948, 9249..9300		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51108	Strand	-
Start	6070	End	10925
Name	OJ990304_08.9819.C1.o5.gp	Method	AAT/GAP
Start	9996	End	10696
GI	22108_1.R1084	Score	895
Exons	9996..10020, 10048..10359, 10381..10696		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	24581	Seq. ID	OJ990304_08.9819.C1
Gene No.	51108	Strand	-
Start	6070	End	10925
Name	OJ990304_08.9819.C1.o5.gs	Method	GENSCAN
Start	10171	End	10805
GI	none	Score	.59
Exons	10171..10805		

Seq. No.	24582	Seq. ID	OJ990304_08.9819.C2
Gene No.	51109	Strand	+
Start	3053	End	4985
Name	OJ990304_08.9819.C2.o2.gs	Method	GENSCAN
Start	3053	End	4688
GI	none	Score	.75
Exons	3053..3090, 3194..4304, 4587..4688		

Seq. No.	24582	Seq. ID	OJ990304_08.9819.C2
Gene No.	51109	Strand	+
Start	3053	End	4985
Name	OJ990304_08.9819.C2.o1.np	Method	AAT/NAP
Start	3214	End	4985
GI	6815107	Score	727
Exons	3214..4360, 4478..4646, 4965..4985		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	24582	Seq. ID	OJ990304_08.9819.C2
Gene No.	51110	Strand	-
Start	233	End	933

Name	OJ990304_08.9819.C2.o1.gp	Method	AAT/GAP
Start	233	End	933
GI	none	Score	1178
Exons	233..933		

Seq. No.	24582	Seq. ID	OJ990304_08.9819.C2
Gene No.	51110	Strand	-
Start	233	End	933
Name	OJ990304_08.9819.C2.o1.gs	Method	GENSCAN
Start	248	End	659
GI	none	Score	.6
Exons	248..659		

Seq. No.	24582	Seq. ID	OJ990304_08.9819.C2
Gene No.	51111	Strand	
Start	3190	End	3572
Name	OJ990304_08.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	3190	End	3572
GI	none	Score	214
Exons	3190..3378, 3206..3388, 3207..3398, 3222..3398, 3383..3571, 3392..3571, 3393..3572		

Seq. No.	24582	Seq. ID	OJ990304_08.9819.C2
Gene No.	51112	Strand	
Start	3786	End	4436
Name	OJ990304_08.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	3786	End	4124
GI	none	Score	206
Exons	3786..4124, 3884..4096		

Seq. No.	24582	Seq. ID	OJ990304_08.9819.C2
Gene No.	51112	Strand	
Start	3786	End	4436
Name	OJ990304_08.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	3786	End	4193
GI	none	Score	298
Exons	3786..4193, 3834..4043, 3887..4048, 4083..4169		

Seq. No.	24582	Seq. ID	OJ990304_08.9819.C2
Gene No.	51112	Strand	
Start	3786	End	4436
Name	OJ990304_08.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	3846	End	4406
GI	none	Score	283
Exons	3846..4196, 3884..4129, 4296..4406		

Seq. No.	24582	Seq. ID	OJ990304_08.9819.C2
Gene No.	51112	Strand	
Start	3786	End	4436
Name	OJ990304_08.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	4019	End	4436
GI	none	Score	142
Exons	4019..4180, 4020..4235, 4080..4250, 4296..4436		

Seq. No.	24583	Seq. ID	OJ990304_08.9819.C3
Gene No.	51113	Strand	+
Start	6120	End	7305

Name	OJ990304_08.9819.C3.o2.gs	Method	GENSCAN
Start	6120	End	7305
GI	none	Score	.83
Exons	6120..6255, 6437..6498, 7219..7305		

Seq. No.	24583	Seq. ID	OJ990304_08.9819.C3
Gene No.	51113	Strand	+
Start	6120	End	7305
Name	OJ990304_08.9819.C3.o1.np	Method	AAT/NAP
Start	6146	End	7179
GI	5257259	Score	214
Exons	6146..6276, 6310..6348, 7102..7179		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	24583	Seq. ID	OJ990304_08.9819.C3
Gene No.	51114	Strand	-
Start	8600	End	8734
Name	OJ990304_08.9819.C3.o3.gs	Method	GENSCAN
Start	8600	End	8734
GI	none	Score	.62
Exons	8600..8734		

Seq. No.	24584	Seq. ID	OJ990304_08.9819.C4
Gene No.	51115	Strand	-
Start	1523	End	3835
Name	OJ990304_08.9819.C4.o2.gs	Method	GENSCAN
Start	1523	End	3630
GI	none	Score	.44
Exons	1523..1597, 2557..2824, 2883..2977, 3493..3630		

Seq. No.	24584	Seq. ID	OJ990304_08.9819.C4
Gene No.	51115	Strand	-
Start	1523	End	3835
Name	OJ990304_08.9819.C4.o1.np	Method	AAT/NAP
Start	3208	End	3835
GI	2586082	Score	780
Exons	3208..3835		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	24584	Seq. ID	OJ990304_08.9819.C4
Gene No.	51115	Strand	-
Start	1523	End	3835
Name	OJ990304_08.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	3232	End	3661
GI	none	Score	59
Exons	3232..3426, 3466..3579, 3608..3661		

Seq. No.	24584	Seq. ID	OJ990304_08.9819.C4
Gene No.	51115	Strand	-
Start	1523	End	3835
Name	OJ990304_08.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	3259	End	3833
GI	none	Score	44
Exons	3259..3480, 3266..3391, 3478..3606, 3485..3601, 3602..3832, 3603..3659, 3720..3833		

Seq. No.	24584	Seq. ID	OJ990304_08.9819.C4

Gene No.	51115	Strand	-
Start	1523	End	3835
Name	OJ990304_08.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	3265	End	3686
GI	none	Score	76
Exons	3265..3474, 3346..3459, 3472..3549, 3482..3550, 3556..3606, 3556..3606, 3605..3685, 3606..3686		

Seq. No.	24584	Seq. ID	OJ990304_08.9819.C4
Gene No.	51115	Strand	-
Start	1523	End	3835
Name	OJ990304_08.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	3617	End	3833
GI	none	Score	101
Exons	3617..3832, 3618..3833		

Seq. No.	24585	Seq. ID	OJ990304_08.9819.C5
Gene No.	51116	Strand	-
Start	1	End	2591
Name	OJ990304_08.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	2591
GI	2586082	Score	1916
Exons	1..151, 232..385, 487..2591		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	24585	Seq. ID	OJ990304_08.9819.C5
Gene No.	51116	Strand	-
Start	1	End	2591
Name	OJ990304_08.9819.C5.o1.gs	Method	GENSCAN
Start	161	End	2353
GI	none	Score	.45
Exons	161..327, 1557..1773, 1983..2118, 2142..2353		

Seq. No.	24585	Seq. ID	OJ990304_08.9819.C5
Gene No.	51116	Strand	-
Start	1	End	2591
Name	OJ990304_08.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	793	End	1254
GI	none	Score	60
Exons	793..1254, 1052..1228		

Seq. No.	24585	Seq. ID	OJ990304_08.9819.C5
Gene No.	51116	Strand	-
Start	1	End	2591
Name	OJ990304_08.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	793	End	1137
GI	none	Score	71
Exons	793..1137, 974..1120		

Seq. No.	24585	Seq. ID	OJ990304_08.9819.C5
Gene No.	51116	Strand	-
Start	1	End	2591
Name	OJ990304_08.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	808	End	1227
GI	none	Score	266
Exons	808..1227		

Seq. No.	24585	Seq. ID	OJ990304_08.9819.C5
Gene No.	51116	Strand	-
Start	1	End	2591
Name	OJ990304_08.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	820	End	1245
GI	none	Score	62
Exons	820..1134, 1156..1245		

Seq. No.	24585	Seq. ID	OJ990304_08.9819.C5
Gene No.	51116	Strand	-
Start	1	End	2591
Name	OJ990304_08.9819.C5.o2.ts	Method	TBLASTX:Soybean
Start	1249	End	1650
GI	none	Score	74
Exons	1249..1440, 1444..1551, 1564..1650		

Seq. No.	24585	Seq. ID	OJ990304_08.9819.C5
Gene No.	51116	Strand	-
Start	1	End	2591
Name	OJ990304_08.9819.C5.o2.tc	Method	TBLASTX:Cress
Start	1363	End	1650
GI	none	Score	68
Exons	1363..1437, 1441..1554, 1585..1650		

Seq. No.	24585	Seq. ID	OJ990304_08.9819.C5
Gene No.	51116	Strand	-
Start	1	End	2591
Name	OJ990304_08.9819.C5.o2.tw	Method	TBLASTX:Wheat
Start	1805	End	2085
GI	none	Score	41
Exons	1805..1861, 1870..1971, 1875..1982, 1877..1987, 1971..2084, 1984..2085		

Seq. No.	24586	Seq. ID	OJ990304_08.9819.C6
Gene No.	51117	Strand	+
Start	3340	End	5166
Name	OJ990304_08.9819.C6.o2.np	Method	AAT/NAP
Start	3340	End	5166
GI	2583130	Score	773
Exons	3340..5166		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	24586	Seq. ID	OJ990304_08.9819.C6
Gene No.	51117	Strand	+
Start	3340	End	5166
Name	OJ990304_08.9819.C6.o2.gs	Method	GENSCAN
Start	3657	End	5052
GI	none	Score	.43
Exons	3657..4031, 4216..4386, 4453..4606, 4881..5052		

Seq. No.	24586	Seq. ID	OJ990304_08.9819.C6
Gene No.	51118	Strand	-
Start	1	End	2982
Name	OJ990304_08.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	1034
GI	2586082	Score	589

Exons	1..1034		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	24586	Seq. ID	OJ990304_08.9819.C6
Gene No.	51118	Strand	-
Start	1	End	2982
Name	OJ990304_08.9819.C6.o1.gs	Method	GENSCAN
Start	287	End	2982
GI	none	Score	67
Exons	287..1056, 1282..1553, 1616..1652, 2032..2263, 2308..2387, 2660..2872, 2891..2982		
Seq. No.	24586	Seq. ID	OJ990304_08.9819.C6
Gene No.	51118	Strand	-
Start	1	End	2982
Name	OJ990304_08.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	444	End	980
GI	none	Score	78
Exons	444..833, 861..980		
Seq. No.	24586	Seq. ID	OJ990304_08.9819.C6
Gene No.	51118	Strand	-
Start	1	End	2982
Name	OJ990304_08.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	519	End	956
GI	none	Score	123
Exons	519..824, 523..828, 823..939, 834..956		
Seq. No.	24586	Seq. ID	OJ990304_08.9819.C6
Gene No.	51118	Strand	-
Start	1	End	2982
Name	OJ990304_08.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	639	End	1004
GI	none	Score	220
Exons	639..1004		
Seq. No.	24586	Seq. ID	OJ990304_08.9819.C6
Gene No.	51119	Strand	
Start	3669	End	4028
Name	OJ990304_08.9819.C6.o3.tw	Method	TBLASTX:Wheat
Start	3669	End	4028
GI	none	Score	150
Exons	3669..3824, 3680..3844, 3834..3953, 3999..4028		
Seq. No.	24586	Seq. ID	OJ990304_08.9819.C6
Gene No.	51120	Strand	
Start	4635	End	5044
Name	OJ990304_08.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	4635	End	5044
GI	none	Score	198
Exons	4635..4862, 4648..4866, 4865..4951, 4867..4920, 4934..5044		
Seq. No.	24587	Seq. ID	OJ990304_08.9819.C7
Gene No.	51121	Strand	+
Start	232	End	570
Name	OJ990304_08.9819.C7.o1.gs	Method	GENSCAN
Start	232	End	570

GI	none	Score	.72
Exons	232..288, 391..570		

Seq. No.	24588	Seq. ID	OJ990304_08.9819.C8
Gene No.	51122	Strand	-
Start	469	End	971
Name	OJ990304_08.9819.C8.o1.gs	Method	GENSCAN
Start	469	End	971
GI	none	Score	.73
Exons	469..516, 597..689, 781..971		

Seq. No.	24589	Seq. ID	OJ990304_08.9819.C9
Gene No.	51123	Strand	-
Start	1	End	180
Name	OJ990304_08.9819.C9.o1.gp	Method	AAT/GAP
Start	1	End	180
GI	61605_3.R1084	Score	211
Exons	1..180		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10
Gene No.	51124	Strand	+
Start	2194	End	2699
Name	OJ990304_08.9819.C10.o2.gs	Method	GENSCAN
Start	2194	End	2699
GI	none	Score	.93
Exons	2194..2271, 2316..2699		

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10
Gene No.	51125	Strand	-
Start	817	End	941
Name	OJ990304_08.9819.C10.o1.gs	Method	GENSCAN
Start	817	End	941
GI	none	Score	.7
Exons	817..830, 881..941		

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10
Gene No.	51126	Strand	-
Start	3387	End	6909
Name	OJ990304_08.9819.C10.o1.gp	Method	AAT/GAP
Start	3387	End	4796
GI	59839_1.R1084	Score	1284
Exons	3387..3782, 3855..3976, 4542..4590, 4678..4796		
GI Descrip.	'2288887/emb|CAA74700.1| 8.0e-57 (Y14325) mevalonate diphosphate decarboxylase [Arabidopsis thaliana] >gi_3250736_emb_CAA76803.1_ (Y17593) mevalonate diphosphate decarboxylase [Arabidopsis thaliana] >gi_3786002 (AC005499) mevalonate diphosphate decarboxylase [Arabidopsis thaliana]'		

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10
Gene No.	51126	Strand	-
Start	3387	End	6909
Name	OJ990304_08.9819.C10.o3.gs	Method	GENSCAN
Start	3560	End	6758
GI	none	Score	.73
Exons	3560..3641, 3855..3976, 4542..4590, 4678..4835, 4992..5078,		

5284..5364, 6540..6758

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10
Gene No.	51126	Strand	-
Start	3387	End	6909
Name	OJ990304_08.9819.C10.o1.np	Method	AAT/NAP
Start	3569	End	6749
GI	2288887	Score	1253
Exons	3569..3782, 3855..3976, 4542..4590, 4678..4835, 4992..5078, 5284..5364, 5462..5525, 5618..5681, 5870..6068, 6540..6749		
GI Descrip.	(Y14325) mevalonate diphosphate decarboxylase [Arabidopsis thaliana] gi|3250736|emb|CAA76803.1| (Y17593) mevalonate diphosphate decarboxylase [Arabidopsis thaliana] gi|3786002|gb|AAC67348.1| (AC005499) mevalonate diphosphate decarboxylase [Arabidopsis thaliana]		

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10
Gene No.	51126	Strand	-
Start	3387	End	6909
Name	OJ990304_08.9819.C10.o2.gp	Method	AAT/GAP
Start	5115	End	5664
GI	LIB3432-008-P1-K1-H10	Score	638
Exons	5115..5364, 5462..5525, 5618..5664		
GI Descrip.	'2288887/emb|CAA74700.1| 2.0e-20 (Y14325) mevalonate diphosphate decarboxylase [Arabidopsis thaliana] >gi_3250736_emb_CAA76803.1_ (Y17593) mevalonate diphosphate decarboxylase [Arabidopsis thaliana] >gi_3786002 (AC005499) mevalonate diphosphate decarboxylase [Arabidopsis thaliana]'		

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10
Gene No.	51126	Strand	-
Start	3387	End	6909
Name	OJ990304_08.9819.C10.o3.gp	Method	AAT/GAP
Start	5922	End	6909
GI	LIB3477-004-P1-K1-F11	Score	764
Exons	5922..6068, 6540..6772, 6856..6909		
GI Descrip.	'2288887/emb|CAA74700.1| 1.0e-36 (Y14325) mevalonate diphosphate decarboxylase [Arabidopsis thaliana] >gi_3250736_emb_CAA76803.1_ (Y17593) mevalonate diphosphate decarboxylase [Arabidopsis thaliana] >gi_3786002 (AC005499) mevalonate diphosphate decarboxylase [Arabidopsis thaliana]'		

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10
Gene No.	51127	Strand	-
Start	7056	End	7435
Name	OJ990304_08.9819.C10.o4.gp	Method	AAT/GAP
Start	7056	End	7435
GI	none	Score	738
Exons	7056..7435		

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10
Gene No.	51128	Strand	-
Start	9409	End	10594
Name	OJ990304_08.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	3558	End	6753
GI	none	Score	274
Exons	3558..3785, 3560..3784, 3582..3785, 3589..3786, 3855..3980,		

3857..3979, 4527..4598, 4540..4590, 4542..4595, 4676..4825, 4677..4856, 4681..4836, 4983..5078, 4984..5079, 4993..5079, 4994..5083, 5270..5365, 5277..5360, 5281..5367, 5453..5533, 5462..5527, 5463..5528, 5466..5543, 5601..5681, 5602..5682, 5618..5680, 5870..5947, 5871..6071, 5872..6069, 6030..6071, 6528..6743, 6538..6753

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10
Gene No.	51128	Strand	-
Start	9409	End	10594
Name	OJ990304_08.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	3569	End	6747
GI	none	Score	64
Exons	3569..3715, 3570..3671, 3737..3784, 3872..4054, 4527..4598, 4546..4593, 4676..4825, 4677..4829, 4677..4832, 4678..4833, 4983..5078, 4983..5078, 4984..5079, 4984..5079, 5270..5359, 5278..5367, 5281..5358, 5299..5358, 5303..5359, 5463..5528, 5463..5528, 5464..5535, 5465..5527, 5465..5527, 5599..5682, 5599..5634, 5617..5685, 5872..6069, 5874..6071, 6525..6743, 6526..6747		

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10
Gene No.	51128	Strand	-
Start	9409	End	10594
Name	OJ990304_08.9819.C10.o3.ts	Method	TBLASTX:Soybean
Start	3716	End	3979
GI	none	Score	52
Exons	3716..3784, 3717..3785, 3852..3977, 3855..3977, 3857..3979		

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10
Gene No.	51128	Strand	-
Start	9409	End	10594
Name	OJ990304_08.9819.C10.o2.ts	Method	TBLASTX:Soybean
Start	4566	End	5489
GI	none	Score	149
Exons	4566..4598, 4677..4832, 4678..4830, 4983..5066, 4983..5078, 4984..5079, 5270..5356, 5281..5367, 5284..5364, 5460..5489, 5462..5488		

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10
Gene No.	51128	Strand	-
Start	9409	End	10594
Name	OJ990304_08.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	5489	End	6753
GI	none	Score	52
Exons	5489..5527, 5490..5528, 5599..5676, 5617..5685, 5874..6071, 5914..6069, 6525..6746, 6526..6753		

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10
Gene No.	51128	Strand	-
Start	9409	End	10594
Name	OJ990304_08.9819.C10.o4.gs	Method	GENSCAN
Start	9409	End	10593
GI	none	Score	.84
Exons	9409..10593		

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10

Gene No.	51128	Strand	-
Start	9409	End	10594
Name	OJ990304_08.9819.C10.o2.np	Method	AAT/NAP
Start	9472	End	10594
GI	6358783	Score	360
Exons	9472..9672, 9700..10594		
GI Descrip.	(AC010852) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10
Gene No.	51128	Strand	-
Start	9409	End	10594
Name	OJ990304_08.9819.C10.o5.gp	Method	AAT/GAP
Start	9480	End	9913
GI	none	Score	809
Exons	9480..9913		

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10
Gene No.	51128	Strand	-
Start	9409	End	10594
Name	OJ990304_08.9819.C10.o4.ts	Method	TBLASTX:Soybean
Start	9797	End	10116
GI	none	Score	66
Exons	9797..9877, 9811..9876, 9883..9996, 9914..9976, 10037..10111, 10045..10116		

Seq. No.	24590	Seq. ID	OJ990304_08.9819.C10
Gene No.	51128	Strand	-
Start	9409	End	10594
Name	OJ990304_08.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	10312	End	10530
GI	none	Score	50
Exons	10312..10446, 10486..10530		

Seq. No.	24591	Seq. ID	OJ990304_08.9819.C11
Gene No.	51129	Strand	+
Start	93	End	771
Name	OJ990304_08.9819.C11.o1.gs	Method	GENSCAN
Start	93	End	771
GI	none	Score	.75
Exons	93..327, 712..771		

Seq. No.	24591	Seq. ID	OJ990304_08.9819.C11
Gene No.	51130	Strand	-
Start	3177	End	11759
Name	OJ990304_08.9819.C11.o2.gs	Method	GENSCAN
Start	3177	End	11635
GI	none	Score	.74
Exons	3177..3358, 5280..5394, 5573..5612, 6387..6457, 6607..6726, 6871..6956, 7030..7102, 7183..7905, 9944..10273, 10686..11072, 11247..11370, 11528..11635		

Seq. No.	24591	Seq. ID	OJ990304_08.9819.C11
Gene No.	51130	Strand	-
Start	3177	End	11759
Name	OJ990304_08.9819.C11.o1.np	Method	AAT/NAP
Start	3462	End	3587
GI	5852093	Score	70

Exons	3462..3587		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	24591	Seq. ID	OJ990304_08.9819.C11
Gene No.	51130	Strand	-
Start	3177	End	11759
Name	OJ990304_08.9819.C11.o2.np	Method	AAT/NAP
Start	6589	End	11759
GI	2781345	Score	1111
Exons	6589..6726, 6871..6956, 7030..7377, 7801..7905, 9944..10273, 10686..11203, 11252..11442, 11528..11759		
GI Descrip.	(AC003113) F24O1.2 [Arabidopsis thaliana]		
Seq. No.	24591	Seq. ID	OJ990304_08.9819.C11
Gene No.	51130	Strand	-
Start	3177	End	11759
Name	OJ990304_08.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	6604	End	10118
GI	none	Score	93
Exons	6604..6729, 6641..6727, 6865..6957, 6866..6961, 7028..7105, 7177..7293, 7181..7294, 9930..10118, 9938..10117		
Seq. No.	24591	Seq. ID	OJ990304_08.9819.C11
Gene No.	51130	Strand	-
Start	3177	End	11759
Name	OJ990304_08.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	6685	End	7362
GI	none	Score	61
Exons	6685..6729, 6686..6727, 6864..6956, 6865..6957, 6872..6958, 7028..7105, 7028..7105, 7030..7131, 7170..7328, 7178..7330, 7180..7362		
Seq. No.	24591	Seq. ID	OJ990304_08.9819.C11
Gene No.	51130	Strand	-
Start	3177	End	11759
Name	OJ990304_08.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	9930	End	10129
GI	none	Score	205
Exons	9930..10124, 9938..10129		
Seq. No.	24591	Seq. ID	OJ990304_08.9819.C11
Gene No.	51130	Strand	-
Start	3177	End	11759
Name	OJ990304_08.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	9938	End	10268
GI	none	Score	194
Exons	9938..9970, 9971..10267, 9972..10268		
Seq. No.	24591	Seq. ID	OJ990304_08.9819.C11
Gene No.	51130	Strand	-
Start	3177	End	11759
Name	OJ990304_08.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	10739	End	11446
GI	none	Score	205
Exons	10739..11116, 10740..11129, 10745..10993, 10759..11118, 11112..11162, 11159..11299, 11166..11288, 11316..11441, 11348..11437, 11357..11446		

Seq. No.	24591	Seq. ID	OJ990304_08.9819.C11
Gene No.	51130	Strand	-
Start	3177	End	11759
Name	OJ990304_08.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	10773	End	11441
GI	none	Score	100
Exons	10773..10946, 10776..10937, 11000..11050, 11052..11129, 11112..11174, 11337..11441		

Seq. No.	24592	Seq. ID	OJ990304_08.9819.C12
Gene No.	51131	Strand	+
Start	2447	End	9562
Name	OJ990304_08.9819.C12.o2.gs	Method	GENSCAN
Start	2447	End	7327
GI	none	Score	.65
Exons	2447..2498, 2602..2727, 4196..4231, 4468..4560, 4651..4716, 4983..5090, 5753..5781, 5882..7327		

Seq. No.	24592	Seq. ID	OJ990304_08.9819.C12
Gene No.	51131	Strand	+
Start	2447	End	9562
Name	OJ990304_08.9819.C12.o1.np	Method	AAT/NAP
Start	5644	End	9562
GI	6539581	Score	1835
Exons	5644..5781, 5882..6301, 6407..7263, 9538..9562		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	24592	Seq. ID	OJ990304_08.9819.C12
Gene No.	51132	Strand	-
Start	160	End	1831
Name	OJ990304_08.9819.C12.o1.gs	Method	GENSCAN
Start	160	End	1831
GI	none	Score	.92
Exons	160..292, 385..484, 635..771, 878..1024, 1111..1161, 1766..1831		

Seq. No.	24592	Seq. ID	OJ990304_08.9819.C12
Gene No.	51133	Strand	-
Start	7917	End	16065
Name	OJ990304_08.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	6398	End	6790
GI	none	Score	61
Exons	6398..6496, 6500..6790, 6655..6789		

Seq. No.	24592	Seq. ID	OJ990304_08.9819.C12
Gene No.	51133	Strand	-
Start	7917	End	16065
Name	OJ990304_08.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	6401	End	6622
GI	none	Score	223
Exons	6401..6622, 6403..6591		

Seq. No.	24592	Seq. ID	OJ990304_08.9819.C12
Gene No.	51133	Strand	-
Start	7917	End	16065
Name	OJ990304_08.9819.C12.o1.tc	Method	TBLASTX:Cress

Start	6596	End	6937
GI	none	Score	234
Exons	6596..6937		

Seq. No.	24592	Seq. ID	OJ990304_08.9819.C12
Gene No.	51133	Strand	-
Start	7917	End	16065
Name	OJ990304_08.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	6623	End	7015
GI	none	Score	286
Exons	6623..7015, 6668..7006		

Seq. No.	24592	Seq. ID	OJ990304_08.9819.C12
Gene No.	51133	Strand	-
Start	7917	End	16065
Name	OJ990304_08.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	6683	End	7264
GI	none	Score	293
Exons	6683..7009, 6683..6901, 6685..6954, 7097..7264		

Seq. No.	24592	Seq. ID	OJ990304_08.9819.C12
Gene No.	51133	Strand	-
Start	7917	End	16065
Name	OJ990304_08.9819.C12.o3.tw	Method	TBLASTX:Wheat
Start	6857	End	7276
GI	none	Score	239
Exons	6857..7276		

Seq. No.	24592	Seq. ID	OJ990304_08.9819.C12
Gene No.	51133	Strand	-
Start	7917	End	16065
Name	OJ990304_08.9819.C12.o2.np	Method	AAT/NAP
Start	7917	End	16065
GI	6539580	Score	2261
Exons	7917..8051, 8134..8217, 9151..9322, 10661..11031, 11376..11474, 11547..11618, 11657..11896, 12021..12069, 12414..12568, 12750..12963, 13075..13239, 13330..13960, 14048..14170, 14848..14949, 15023..15103, 15986..16065		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	24592	Seq. ID	OJ990304_08.9819.C12
Gene No.	51133	Strand	-
Start	7917	End	16065
Name	OJ990304_08.9819.C12.o3.gs	Method	GENSCAN
Start	9505	End	15118
GI	none	Score	.93
Exons	9505..10084, 10661..11013, 11376..11474, 11547..11618, 11745..11923, 12021..12069, 12438..12568, 12750..12990, 14848..14949, 15023..15118		

Seq. No.	24592	Seq. ID	OJ990304_08.9819.C12
Gene No.	51133	Strand	-
Start	7917	End	16065
Name	OJ990304_08.9819.C12.o2.tw	Method	TBLASTX:Wheat
Start	9517	End	9834
GI	none	Score	144
Exons	9517..9807, 9517..9834		

Seq. No.	24593	Seq. ID	OJ990304_08.9819.C13
Gene No.	51134	Strand	+
Start	1	End	468
Name	OJ990304_08.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	468
GI	6539580	Score	241
Exons	1..31, 168..251, 334..468		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	24594	Seq. ID	OJ990304_08.9819.C15
Gene No.	51135	Strand	-
Start	1	End	782
Name	OJ990304_08.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	782
GI	2586082	Score	929
Exons	1..782		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	24594	Seq. ID	OJ990304_08.9819.C15
Gene No.	51135	Strand	-
Start	1	End	782
Name	OJ990304_08.9819.C15.o2.ts	Method	TBLASTX:Soybean
Start	70	End	278
GI	none	Score	95
Exons	70..270, 84..278		

Seq. No.	24594	Seq. ID	OJ990304_08.9819.C15
Gene No.	51135	Strand	-
Start	1	End	782
Name	OJ990304_08.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	96	End	759
GI	none	Score	69
Exons	96..194, 219..422, 411..605, 414..758, 535..759		

Seq. No.	24594	Seq. ID	OJ990304_08.9819.C15
Gene No.	51135	Strand	-
Start	1	End	782
Name	OJ990304_08.9819.C15.o2.tc	Method	TBLASTX:Cress
Start	114	End	359
GI	none	Score	54
Exons	114..248, 117..359		

Seq. No.	24594	Seq. ID	OJ990304_08.9819.C15
Gene No.	51135	Strand	-
Start	1	End	782
Name	OJ990304_08.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	180	End	626
GI	none	Score	95
Exons	180..626, 451..606		

Seq. No.	24594	Seq. ID	OJ990304_08.9819.C15
Gene No.	51135	Strand	-
Start	1	End	782
Name	OJ990304_08.9819.C15.o1.gs	Method	GENSCAN
Start	213	End	375
GI	none	Score	.89

Exons	213..375		
Seq. No.	24594	Seq. ID	OJ990304_08.9819.C15
Gene No.	51135	Strand	-
Start	1	End	782
Name	OJ990304_08.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	424	End	759
GI	5509260	Score	50
Exons	424..489, 435..758, 449..598,	529..600,	640..759
GI Descrip.	-		
Seq. No.	24594	Seq. ID	OJ990304_08.9819.C15
Gene No.	51135	Strand	-
Start	1	End	782
Name	OJ990304_08.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	540	End	780
GI	none	Score	54
Exons	540..779, 549..617, 649..780		
Seq. No.	24595	Seq. ID	OJ990304_08.9819.C17
Gene No.	51136	Strand	+
Start	171	End	351
Name	OJ990304_08.9819.C17.o1.gs	Method	GENSCAN
Start	171	End	351
GI	none	Score	.51
Exons	171..351		
Seq. No.	24596	Seq. ID	OJ990304_08.9819.C19
Gene No.	51137	Strand	+
Start	359	End	528
Name	OJ990304_08.9819.C19.o1.gs	Method	GENSCAN
Start	359	End	528
GI	none	Score	.68
Exons	359..528		
Seq. No.	24596	Seq. ID	OJ990304_08.9819.C19
Gene No.	51138	Strand	-
Start	558	End	3342
Name	OJ990304_08.9819.C19.o1.gp	Method	AAT/GAP
Start	558	End	2148
GI	18481_1.R1084	Score	1468
Exons	558..1080, 1889..2148		
GI Descrip.	'3513727 4.0e-50 (AF080118) contains similarity to TPR domains (Pfam: TPR.hmm: score: 11.15) and kinesin motor domains (Pfam: kinesin2.hmm, score: 17.49, 20.52 and 10.94) [Arabidopsis thaliana] >gi_4539358_emb_CAB40052.1_ (AL049525) putative protein [Arabidopsis thaliana]'		
Seq. No.	24596	Seq. ID	OJ990304_08.9819.C19
Gene No.	51138	Strand	-
Start	558	End	3342
Name	OJ990304_08.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	756	End	2581
GI	none	Score	46
Exons	756..782, 760..960, 828..1082, 843..1079, 1865..2248, 1888..2580, 1893..2474, 2257..2577, 2317..2547, 2354..2581		

Seq. No.	24596	Seq. ID	OJ990304_08.9819.C19
Gene No.	51138	Strand	-
Start	558	End	3342
Name	OJ990304_08.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	843	End	1995
GI	none	Score	51
Exons	843..878, 846..881, 909..1082, 913..1026, 915..1082, 1865..1975, 1888..1995, 1888..1995		

Seq. No.	24596	Seq. ID	OJ990304_08.9819.C19
Gene No.	51138	Strand	-
Start	558	End	3342
Name	OJ990304_08.9819.C19.o2.gs	Method	GENSCAN
Start	846	End	3177
GI	none	Score	.82
Exons	846..1080, 1889..2797, 3074..3177		

Seq. No.	24596	Seq. ID	OJ990304_08.9819.C19
Gene No.	51138	Strand	-
Start	558	End	3342
Name	OJ990304_08.9819.C19.o1.np	Method	AAT/NAP
Start	849	End	3342
GI	3513727	Score	1479
Exons	849..1080, 1889..2797, 3074..3342		
GI Descrip.	(AF080118) contains similarity to TPR domains (Pfam: TPR.hmm: score: 11.15) and kinesin motor domains (Pfam: kinesin2.hmm, score: 17.49, 20.52 and 10.94) [Arabidopsis thaliana] gi|4539358|emb|CAB40052.1| (AL049525) putative protein [Arabidopsis thaliana]		

Seq. No.	24596	Seq. ID	OJ990304_08.9819.C19
Gene No.	51138	Strand	-
Start	558	End	3342
Name	OJ990304_08.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	852	End	3249
GI	none	Score	118
Exons	852..1082, 870..1073, 1865..2248, 1888..2799, 1893..2255, 2337..2474, 2360..2797, 2449..2535, 2607..2801, 3073..3249, 3077..3238		

Seq. No.	24596	Seq. ID	OJ990304_08.9819.C19
Gene No.	51138	Strand	-
Start	558	End	3342
Name	OJ990304_08.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	1008	End	3135
GI	none	Score	61
Exons	1008..1082, 1868..1933, 1888..1932, 1888..2043, 1930..2076, 1931..2077, 1931..2077, 2053..2799, 2081..2248, 2272..2802, 2702..2806, 3073..3135, 3074..3133		

Seq. No.	24596	Seq. ID	OJ990304_08.9819.C19
Gene No.	51138	Strand	-
Start	558	End	3342
Name	OJ990304_08.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	2581	End	3249
GI	none	Score	57
Exons	2581..2799, 2583..2645, 2617..2799, 3073..3249, 3077..3238		

Seq. No.	24597	Seq. ID	OJ990304_08.9819.C20
Gene No.	51139	Strand	+
Start	338	End	6656
Name	OJ990304_08.9819.C20.o1.gs	Method	GENSCAN
Start	338	End	6610
GI	none	Score	.61
Exons	338..384, 1576..1629, 1882..2201, 2216..2415, 3098..3307, 3389..3850, 3944..4054, 4915..5199, 6413..6610		

Seq. No.	24597	Seq. ID	OJ990304_08.9819.C20
Gene No.	51139	Strand	+
Start	338	End	6656
Name	OJ990304_08.9819.C20.o1.np	Method	AAT/NAP
Start	2016	End	6656
GI	6560750	Score	519
Exons	2016..2415, 3098..3307, 3386..3850, 3944..4084, 4169..4320, 4915..5044, 5102..5199, 6413..6656		
GI Descrip.	(AC010155) F3M18.3 [Arabidopsis thaliana]		

Seq. No.	24597	Seq. ID	OJ990304_08.9819.C20
Gene No.	51139	Strand	+
Start	338	End	6656
Name	OJ990304_08.9819.C20.o1.gp	Method	AAT/GAP
Start	3097	End	3164
GI	none	Score	112
Exons	3097..3164		

Seq. No.	24597	Seq. ID	OJ990304_08.9819.C20
Gene No.	51140	Strand	-
Start	7865	End	10086
Name	OJ990304_08.9819.C20.o2.gs	Method	GENSCAN
Start	7865	End	9840
GI	none	Score	.76
Exons	7865..8055, 8146..8398, 8467..8697, 8997..9160, 9201..9840		

Seq. No.	24597	Seq. ID	OJ990304_08.9819.C20
Gene No.	51140	Strand	-
Start	7865	End	10086
Name	OJ990304_08.9819.C20.o2.np	Method	AAT/NAP
Start	7874	End	10086
GI	4587999	Score	365
Exons	7874..8055, 8146..8398, 8467..8647, 8947..9127, 9285..9444, 10009..10086		
GI Descrip.	(AF085279) hypothetical APG protein [Arabidopsis thaliana]		

Seq. No.	24597	Seq. ID	OJ990304_08.9819.C20
Gene No.	51140	Strand	-
Start	7865	End	10086
Name	OJ990304_08.9819.C20.o3.np	Method	AAT/NAP
Start	7874	End	10049
GI	728868	Score	427
Exons	7874..8055, 8146..8446, 8510..8655, 8955..9127, 9285..9753, 9975..10049		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX) gi|99824|pir||S16748 proline-rich protein - rape (fragment) gi|22597|emb|CAA42924| (X60376) proline-rich protein [Brassica		

napus]

Seq. No.	24597	Seq. ID	OJ990304_08.9819.C20
Gene No.	51141	Strand	-
Start	11457	End	13210
Name	OJ990304_08.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	6410	End	6758
GI	none	Score	153
Exons	6410..6532, 6412..6531, 6633..6758, 6635..6748		

Seq. No.	24597	Seq. ID	OJ990304_08.9819.C20
Gene No.	51141	Strand	-
Start	11457	End	13210
Name	OJ990304_08.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	7853	End	8395
GI	none	Score	114
Exons	7853..7978, 7988..8056, 8144..8245, 8225..8395		

Seq. No.	24597	Seq. ID	OJ990304_08.9819.C20
Gene No.	51141	Strand	-
Start	11457	End	13210
Name	OJ990304_08.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	7895	End	8281
GI	none	Score	129
Exons	7895..8056, 7911..8057, 8144..8281		

Seq. No.	24597	Seq. ID	OJ990304_08.9819.C20
Gene No.	51141	Strand	-
Start	11457	End	13210
Name	OJ990304_08.9819.C20.o2.ts	Method	TBLASTX:Soybean
Start	9286	End	9438
GI	none	Score	106
Exons	9286..9438, 9308..9433		

Seq. No.	24597	Seq. ID	OJ990304_08.9819.C20
Gene No.	51141	Strand	-
Start	11457	End	13210
Name	OJ990304_08.9819.C20.o3.gs	Method	GENSCAN
Start	11457	End	13195
GI	none	Score	.89
Exons	11457..11598, 11793..12322, 12424..12576, 12903..13056, 13092..13195		

Seq. No.	24597	Seq. ID	OJ990304_08.9819.C20
Gene No.	51141	Strand	-
Start	11457	End	13210
Name	OJ990304_08.9819.C20.o4.np	Method	AAT/NAP
Start	11477	End	13210
GI	6466948	Score	93
Exons	11477..11598, 11793..12065, 13173..13210		
GI Descrip.	(AC009176) unknown protein [Arabidopsis thaliana]		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51142	Strand	+
Start	3153	End	4617
Name	OJ990304_08.9819.C21.o1.np	Method	AAT/NAP
Start	2991	End	4602

GI	3822403	Score	1230
Exons	2991..3042, 3151..4602		
GI Descrip.	(AF087932) hydroperoxide lyase [Arabidopsis thaliana]		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51142	Strand	+
Start	3153	End	4617
Name	OJ990304_08.9819.C21.o3.gs	Method	GENSCAN
Start	3153	End	4617
GI	none	Score	.84
Exons	3153..4172, 4228..4617		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51143	Strand	+
Start	7425	End	8484
Name	OJ990304_08.9819.C21.o4.gs	Method	GENSCAN
Start	7425	End	8484
GI	none	Score	.94
Exons	7425..7481, 7535..7728, 8163..8484		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51144	Strand	-
Start	1946	End	2247
Name	OJ990304_08.9819.C21.o2.gs	Method	GENSCAN
Start	1946	End	2247
GI	none	Score	.92
Exons	1946..2084, 2186..2247		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51145	Strand	-
Start	10682	End	12871
Name	OJ990304_08.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	3257	End	4596
GI	none	Score	301
Exons	3257..3358, 3261..3560, 3431..3550, 3672..4067, 3689..3835, 3986..4063, 4182..4283, 4183..4284, 4290..4391, 4291..4596, 4330..4548		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51145	Strand	-
Start	10682	End	12871
Name	OJ990304_08.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	3257	End	3773
GI	none	Score	392
Exons	3257..3550, 3261..3650, 3672..3773, 3689..3772		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51145	Strand	-
Start	10682	End	12871
Name	OJ990304_08.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	3261	End	4563
GI	none	Score	85
Exons	3261..3344, 3405..3545, 3837..3968, 3975..4082, 4182..4268, 4183..4293, 4294..4563, 4311..4505, 4330..4542		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51145	Strand	-

Start	10682	End	12871
Name	OJ990304_08.9819.C21.o7.tm	Method	TBLASTX:Maize
Start	3941	End	4305
GI	none	Score	173
Exons	3941..4066, 3942..4079, 4182..4304, 4183..4305, 4204..4305		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51145	Strand	-
Start	10682	End	12871
Name	OJ990304_08.9819.C21.o3.tm	Method	TBLASTX:Maize
Start	4311	End	4614
GI	none	Score	454
Exons	4311..4580, 4312..4614		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51145	Strand	-
Start	10682	End	12871
Name	OJ990304_08.9819.C21.o1.gp	Method	AAT/GAP
Start	10640	End	11095
GI	72053_1.R1084	Score	888
Exons	10640..11095		
GI Descrip.	'4371279/gb|AAD18137| 2.0e-28 (AC006260) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51145	Strand	-
Start	10682	End	12871
Name	OJ990304_08.9819.C21.o2.tw	Method	TBLASTX:Wheat
Start	10682	End	10973
GI	none	Score	392
Exons	10682..10972, 10683..10973		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51145	Strand	-
Start	10682	End	12871
Name	OJ990304_08.9819.C21.o5.gs	Method	GENSCAN
Start	10682	End	12697
GI	none	Score	.5
Exons	10682..12697		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51145	Strand	-
Start	10682	End	12871
Name	OJ990304_08.9819.C21.o2.np	Method	AAT/NAP
Start	10697	End	12871
GI	4056478	Score	1471
Exons	10697..12871		
GI Descrip.	(AC005896) unknown protein [Arabidopsis thaliana]		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51145	Strand	-
Start	10682	End	12871
Name	OJ990304_08.9819.C21.o5.tm	Method	TBLASTX:Maize
Start	10901	End	11207
GI	none	Score	268
Exons	10901..11110, 10902..11111, 11114..11203, 11115..11207		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51145	Strand	-
Start	10682	End	12871
Name	OJ990304_08.9819.C21.o2.ts	Method	TBLASTX:Soybean
Start	10940	End	11200
GI	none	Score	223
Exons	10940..11200, 10941..11189, 10952..11200		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51145	Strand	-
Start	10682	End	12871
Name	OJ990304_08.9819.C21.o4.tm	Method	TBLASTX:Maize
Start	11237	End	11545
GI	none	Score	50
Exons	11237..11296, 11246..11296, 11297..11545, 11301..11534		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51145	Strand	-
Start	10682	End	12871
Name	OJ990304_08.9819.C21.o1.tw	Method	TBLASTX:Wheat
Start	11333	End	11747
GI	none	Score	595
Exons	11333..11746, 11334..11747		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51145	Strand	-
Start	10682	End	12871
Name	OJ990304_08.9819.C21.o2.tm	Method	TBLASTX:Maize
Start	11645	End	11947
GI	none	Score	390
Exons	11645..11947, 11646..11924		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51145	Strand	-
Start	10682	End	12871
Name	OJ990304_08.9819.C21.o3.ts	Method	TBLASTX:Soybean
Start	11843	End	12310
GI	5058134	Score	124
Exons	11843..12211, 11933..12310, 11988..12209		
GI Descrip.	4371279/gb_AAD18137_ 3.0e-49 (AC006260) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51145	Strand	-
Start	10682	End	12871
Name	OJ990304_08.9819.C21.o2.tc	Method	TBLASTX:Cress
Start	11852	End	12358
GI	none	Score	66
Exons	11852..12145, 11855..12286, 11859..12041, 11963..12358		

Seq. No.	24598	Seq. ID	OJ990304_08.9819.C21
Gene No.	51145	Strand	-
Start	10682	End	12871
Name	OJ990304_08.9819.C21.o6.tm	Method	TBLASTX:Maize
Start	11963	End	12403
GI	none	Score	43
Exons	11963..12184, 12074..12145, 12074..12250, 12171..12362,		

12173..12403, 12257..12364

Seq. No.	24599	Seq. ID	OJ990304_08.9819.C22
Gene No.	51146	Strand	-
Start	127	End	922
Name	OJ990304_08.9819.C22.o1.gs	Method	GENSCAN
Start	127	End	922
GI	none	Score	.72
Exons	127..219, 311..557, 600..922		

Seq. No.	24599	Seq. ID	OJ990304_08.9819.C22
Gene No.	51146	Strand	-
Start	127	End	922
Name	OJ990304_08.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	488	End	799
GI	none	Score	82
Exons	488..799, 614..799		

Seq. No.	24599	Seq. ID	OJ990304_08.9819.C22
Gene No.	51146	Strand	-
Start	127	End	922
Name	OJ990304_08.9819.C22.o1.tc	Method	TBLASTX:Cress
Start	572	End	838
GI	none	Score	80
Exons	572..838, 647..838		

Seq. No.	24600	Seq. ID	OJ990304_08.9819.C26
Gene No.	51147	Strand	-
Start	1	End	695
Name	OJ990304_08.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	695
GI	1360637	Score	266
Exons	1..695		
GI Descrip.	(X95995) ENBP1 [Vicia sativa]		

Seq. No.	24600	Seq. ID	OJ990304_08.9819.C26
Gene No.	51147	Strand	-
Start	1	End	695
Name	OJ990304_08.9819.C26.o1.gs	Method	GENSCAN
Start	117	End	516
GI	none	Score	.77
Exons	117..516		

Seq. No.	24600	Seq. ID	OJ990304_08.9819.C26
Gene No.	51147	Strand	-
Start	1	End	695
Name	OJ990304_08.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	170	End	691
GI	none	Score	205
Exons	170..547, 171..548, 176..424, 593..691	180..560, 190..561, 544..570,	

Seq. No.	24600	Seq. ID	OJ990304_08.9819.C26
Gene No.	51147	Strand	-
Start	1	End	695
Name	OJ990304_08.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	189	End	416

GI	5057523	Score	82
Exons	189..416, 190..375, 195..377		
GI Descrip.	2144584/pir__TISY 3.0e-39 trypsin inhibitor A (Kunitz) precursor - soybean >gi_18770_emb_CAA45777_ (X64447) trypsin inhibitor subtype A [Glycine max]		

Seq. No.	24601	Seq. ID	OJ990204_02.9819.C1
Gene No.	51148	Strand	+
Start	112	End	1914
Name	OJ990204_02.9819.C1.o1.gs	Method	GENSCAN
Start	112	End	1914
GI	none	Score	.6
Exons	112..184, 1841..1914		

Seq. No.	24601	Seq. ID	OJ990204_02.9819.C1
Gene No.	51149	Strand	-
Start	1	End	1362
Name	OJ990204_02.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	1362
GI	6907088	Score	812
Exons	1..314, 811..1049, 1225..1362		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24601	Seq. ID	OJ990204_02.9819.C1
Gene No.	51150	Strand	-
Start	3188	End	3489
Name	OJ990204_02.9819.C1.o2.gs	Method	GENSCAN
Start	3188	End	3489
GI	none	Score	.61
Exons	3188..3218, 3434..3489		

Seq. No.	24602	Seq. ID	OJ990204_02.9819.C2
Gene No.	51151	Strand	+
Start	104	End	173
Name	OJ990204_02.9819.C2.o1.gs	Method	GENSCAN
Start	104	End	173
GI	none	Score	.82
Exons	104..173		

Seq. No.	24602	Seq. ID	OJ990204_02.9819.C2
Gene No.	51152	Strand	-
Start	1643	End	2816
Name	OJ990204_02.9819.C2.o2.gs	Method	GENSCAN
Start	1643	End	2816
GI	none	Score	.41
Exons	1643..1702, 2700..2816		

Seq. No.	24603	Seq. ID	OJ990204_02.9819.C3
Gene No.	51153	Strand	-
Start	1472	End	1906
Name	OJ990204_02.9819.C3.o1.np	Method	AAT/NAP
Start	1472	End	1906
GI	4558666	Score	158
Exons	1472..1567, 1663..1906		
GI Descrip.	(AC007063) putative Na/H antiporter [Arabidopsis thaliana]		

Seq. No.	24604	Seq. ID	OJ990204_02.9819.C4

Gene No.	51154	Strand	+
Start	5333	End	5592
Name	OJ990204_02.9819.C4.o3.np	Method	AAT/NAP
Start	5333	End	5592
GI	5852179	Score	227
Exons	5333..5592		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	24604	Seq. ID	OJ990204_02.9819.C4
Gene No.	51155	Strand	-
Start	1	End	2250
Name	OJ990204_02.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	2160
GI	4558666	Score	2012
Exons	1..1850, 1948..2160		
GI Descrip.	(AC007063) putative Na/H antiporter [Arabidopsis thaliana]		

Seq. No.	24604	Seq. ID	OJ990204_02.9819.C4
Gene No.	51155	Strand	-
Start	1	End	2250
Name	OJ990204_02.9819.C4.o1.gs	Method	GENSCAN
Start	91	End	2250
GI	none	Score	.58
Exons	91..1850, 1948..2031, 2101..2250		

Seq. No.	24604	Seq. ID	OJ990204_02.9819.C4
Gene No.	51156	Strand	-
Start	3464	End	5592
Name	OJ990204_02.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	132	End	782
GI	none	Score	63
Exons	132..197, 240..479, 241..279, 328..465, 528..782		

Seq. No.	24604	Seq. ID	OJ990204_02.9819.C4
Gene No.	51156	Strand	-
Start	3464	End	5592
Name	OJ990204_02.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	165	End	854
GI	none	Score	79
Exons	165..197, 240..479, 244..465, 528..620, 630..827, 750..854		

Seq. No.	24604	Seq. ID	OJ990204_02.9819.C4
Gene No.	51156	Strand	-
Start	3464	End	5592
Name	OJ990204_02.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	543	End	935
GI	none	Score	120
Exons	543..935, 544..804		

Seq. No.	24604	Seq. ID	OJ990204_02.9819.C4
Gene No.	51156	Strand	-
Start	3464	End	5592
Name	OJ990204_02.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	978	End	1232
GI	none	Score	121
Exons	978..1232, 994..1230		

Seq. No.	24604	Seq. ID	OJ990204_02.9819.C4
Gene No.	51156	Strand	-
Start	3464	End	5592
Name	OJ990204_02.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	1311	End	1679
GI	none	Score	189
Exons	1311..1364, 1399..1575, 1428..1625, 1626..1679, 1627..1674		

Seq. No.	24604	Seq. ID	OJ990204_02.9819.C4
Gene No.	51156	Strand	-
Start	3464	End	5592
Name	OJ990204_02.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	1482	End	2106
GI	none	Score	105
Exons	1482..1568, 1611..1649, 1638..1847, 1948..2106		

Seq. No.	24604	Seq. ID	OJ990204_02.9819.C4
Gene No.	51156	Strand	-
Start	3464	End	5592
Name	OJ990204_02.9819.C4.o1.gp	Method	AAT/GAP
Start	3464	End	5592
GI	61605_1.R1084	Score	599
Exons	3464..3736, 4865..4945, 5565..5592		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	24604	Seq. ID	OJ990204_02.9819.C4
Gene No.	51156	Strand	-
Start	3464	End	5592
Name	OJ990204_02.9819.C4.o2.np	Method	AAT/NAP
Start	4109	End	5592
GI	6063554	Score	166
Exons	4109..4283, 4918..4946, 5481..5592		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	24605	Seq. ID	OJ990204_02.9819.C5
Gene No.	51157	Strand	+
Start	150	End	6322
Name	OJ990204_02.9819.C5.o1.gs	Method	GENSCAN
Start	150	End	6221
GI	none	Score	.69
Exons	150..288, 937..1025, 1101..1262, 1351..1399, 1925..2008, 2055..2171, 2817..3290, 4774..4862, 5045..5183, 5275..5349, 5445..5566, 5680..5738, 6162..6221		

Seq. No.	24605	Seq. ID	OJ990204_02.9819.C5
Gene No.	51157	Strand	+
Start	150	End	6322
Name	OJ990204_02.9819.C5.o2.np	Method	AAT/NAP
Start	4683	End	6322
GI	4538965	Score	284
Exons	4683..4862, 5045..5183, 5275..5461, 5655..5738, 6162..6322		
GI Descrip.	(AL049488) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24605	Seq. ID	OJ990204_02.9819.C5

Gene No.	51158	Strand	-
Start	235	End	3179
Name	OJ990204_02.9819.C5.o1.np	Method	AAT/NAP
Start	235	End	3179
GI	4680186	Score	169
Exons	235..345, 912..1166, 1634..1808, 2142..2222, 3082..3179		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	24605	Seq. ID	OJ990204_02.9819.C5
Gene No.	51159	Strand	
Start	4777	End	6227
Name	OJ990204_02.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	4777	End	6227
GI	none	Score	82
Exons	4777..4863, 5043..5141, 5099..5185, 5274..5348, 5275..5370, 5442..5567, 5445..5567, 5471..5569, 5662..5742, 5664..5786, 6162..6227		

Seq. No.	24606	Seq. ID	OJ990204_02.9819.C6
Gene No.	51160	Strand	+
Start	397	End	535
Name	OJ990204_02.9819.C6.o1.gs	Method	GENSCAN
Start	397	End	535
GI	none	Score	.83
Exons	397..535		

Seq. No.	24607	Seq. ID	OJ990204_02.9819.C8
Gene No.	51161	Strand	+
Start	1	End	312
Name	OJ990204_02.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	312
GI	5441880	Score	223
Exons	1..312		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	24608	Seq. ID	OJ990204_02.9819.C9
Gene No.	51162	Strand	-
Start	351	End	582
Name	OJ990204_02.9819.C9.o1.gs	Method	GENSCAN
Start	351	End	582
GI	none	Score	.76
Exons	351..469, 506..582		

Seq. No.	24609	Seq. ID	OJ990204_02.9819.C12
Gene No.	51163	Strand	+
Start	199	End	601
Name	OJ990204_02.9819.C12.o1.gp	Method	AAT/GAP
Start	199	End	601
GI	7406_1.R1084	Score	653
Exons	199..601		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	24609	Seq. ID	OJ990204_02.9819.C12
Gene No.	51164	Strand	-

Start	208	End	1957
Name	OJ990204_02.9819.C12.o1.gs	Method	GENSCAN
Start	208	End	1957
GI	none	Score	.78
Exons	208..330, 1470..1547, 1614..1772, 1955..1957		

Seq. No.	24610	Seq. ID	OJ990204_02.9819.C13
Gene No.	51165	Strand	-
Start	1	End	1259
Name	OJ990204_02.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	1259
GI	5441880	Score	942
Exons	1..322, 399..697, 1210..1259		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	24610	Seq. ID	OJ990204_02.9819.C13
Gene No.	51165	Strand	-
Start	1	End	1259
Name	OJ990204_02.9819.C13.o1.gp	Method	AAT/GAP
Start	72	End	571
GI	LIB3475-007-P1-K1-G8	Score	797
Exons	72..322, 399..571		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	24610	Seq. ID	OJ990204_02.9819.C13
Gene No.	51165	Strand	-
Start	1	End	1259
Name	OJ990204_02.9819.C13.o1.gs	Method	GENSCAN
Start	179	End	914
GI	none	Score	.76
Exons	179..322, 399..697, 789..914		

Seq. No.	24611	Seq. ID	OJ990204_02.9819.C14
Gene No.	51166	Strand	+
Start	5531	End	6705
Name	OJ990204_02.9819.C14.o2.gs	Method	GENSCAN
Start	5531	End	6705
GI	none	Score	.74
Exons	5531..5966, 6149..6705		

Seq. No.	24611	Seq. ID	OJ990204_02.9819.C14
Gene No.	51167	Strand	-
Start	3178	End	4431
Name	OJ990204_02.9819.C14.o1.gs	Method	GENSCAN
Start	3178	End	4431
GI	none	Score	.83
Exons	3178..4431		

Seq. No.	24611	Seq. ID	OJ990204_02.9819.C14
Gene No.	51168	Strand	-
Start	7354	End	7669
Name	OJ990204_02.9819.C14.o3.gs	Method	GENSCAN
Start	7354	End	7669

GI	none	Score	.85
Exons	7354..7383, 7559..7669		

Seq. No.	24611	Seq. ID	OJ990204_02.9819.C14
Gene No.	51169	Strand	-
Start	8186	End	8253
Name	OJ990204_02.9819.C14.o1.gp	Method	AAT/GAP
Start	8186	End	8253
GI	LIB3431-030-P1-N1-G8	Score	87
Exons	8186..8253		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	24612	Seq. ID	OJ990204_02.9819.C16
Gene No.	51170	Strand	-
Start	274	End	554
Name	OJ990204_02.9819.C16.o1.gs	Method	GENSCAN
Start	274	End	554
GI	none	Score	.72
Exons	274..341, 500..554		

Seq. No.	24613	Seq. ID	OJ990204_02.9819.C19
Gene No.	51171	Strand	+
Start	1	End	749
Name	OJ990204_02.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	749
GI	5441880	Score	237
Exons	1..364, 578..749		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	24613	Seq. ID	OJ990204_02.9819.C19
Gene No.	51171	Strand	+
Start	1	End	749
Name	OJ990204_02.9819.C19.o1.gs	Method	GENSCAN
Start	206	End	612
GI	none	Score	.71
Exons	206..313, 367..612		

Seq. No.	24614	Seq. ID	OJ990204_02.9819.C20
Gene No.	51172	Strand	+
Start	856	End	965
Name	OJ990204_02.9819.C20.o1.gp	Method	AAT/GAP
Start	856	End	965
GI	uC-osf1cyp082b07a1	Score	159
Exons	856..965		
GI Descrip.	'218221/dbj|D10675|RICSINE1R6 3.0e-30 Oryza sativa p-SINE1-r6 gene, repeat sequence'		

Seq. No.	24614	Seq. ID	OJ990204_02.9819.C20
Gene No.	51173	Strand	-
Start	1510	End	2076
Name	OJ990204_02.9819.C20.o1.gs	Method	GENSCAN
Start	1510	End	2076
GI	none	Score	.89
Exons	1510..2076		

Seq. No.	24615	Seq. ID	OJ990204_02.9819.C21
Gene No.	51174	Strand	-
Start	1	End	1620
Name	OJ990204_02.9819.C21.o1.np	Method	AAT/NAP
Start	1	End	1620
GI	6630700	Score	518
Exons	1..243, 1118..1620		
GI Descrip.	(AP000969) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa] gi|6721537|dbj|BAA89567.1| (AP001073) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa]		

Seq. No.	24616	Seq. ID	OJ990204_02.9819.C22
Gene No.	51175	Strand	+
Start	712	End	2856
Name	OJ990204_02.9819.C22.o1.gs	Method	GENSCAN
Start	712	End	2856
GI	none	Score	.62
Exons	712..865, 1556..2856		

Seq. No.	24616	Seq. ID	OJ990204_02.9819.C22
Gene No.	51176	Strand	-
Start	4235	End	4313
Name	OJ990204_02.9819.C22.o2.gs	Method	GENSCAN
Start	4235	End	4313
GI	none	Score	.53
Exons	4235..4313		

Seq. No.	24617	Seq. ID	OJ990204_02.9819.C23
Gene No.	51177	Strand	+
Start	2096	End	4082
Name	OJ990204_02.9819.C23.o2.gs	Method	GENSCAN
Start	2096	End	3786
GI	none	Score	.69
Exons	2096..3088, 3466..3786		

Seq. No.	24617	Seq. ID	OJ990204_02.9819.C23
Gene No.	51177	Strand	+
Start	2096	End	4082
Name	OJ990204_02.9819.C23.o1.np	Method	AAT/NAP
Start	2207	End	4082
GI	5441880	Score	1098
Exons	2207..3147, 3988..4082		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	24617	Seq. ID	OJ990204_02.9819.C23
Gene No.	51177	Strand	+
Start	2096	End	4082
Name	OJ990204_02.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	2774	End	3139
GI	none	Score	270
Exons	2774..3139, 2779..3123		

Seq. No.	24618	Seq. ID	OJ990204_02.9819.C24

Gene No.	51178	Strand	+
Start	533	End	1179
Name	OJ990204_02.9819.C24.o1.np	Method	AAT/NAP
Start	533	End	1179
GI	6069646	Score	439
Exons	533..1179		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	24618	Seq. ID	OJ990204_02.9819.C24
Gene No.	51179	Strand	-
Start	868	End	1020
Name	OJ990204_02.9819.C24.o1.gs	Method	GENSCAN
Start	868	End	1020
GI	none	Score	.86
Exons	868..1020		

Seq. No.	24619	Seq. ID	OJ990204_02.9819.C25
Gene No.	51180	Strand	+
Start	1	End	894
Name	OJ990204_02.9819.C25.o1.np	Method	AAT/NAP
Start	1	End	894
GI	6539581	Score	602
Exons	1..669, 805..894		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	24619	Seq. ID	OJ990204_02.9819.C25
Gene No.	51180	Strand	+
Start	1	End	894
Name	OJ990204_02.9819.C25.o1.tc	Method	TBLASTX:Cress
Start	187	End	528
GI	none	Score	212
Exons	187..528, 265..429		

Seq. No.	24619	Seq. ID	OJ990204_02.9819.C25
Gene No.	51180	Strand	+
Start	1	End	894
Name	OJ990204_02.9819.C25.o1.tm	Method	TBLASTX:Maize
Start	217	End	597
GI	none	Score	273
Exons	217..597, 259..585		

Seq. No.	24619	Seq. ID	OJ990204_02.9819.C25
Gene No.	51180	Strand	+
Start	1	End	894
Name	OJ990204_02.9819.C25.o1.ts	Method	TBLASTX:Soybean
Start	273	End	609
GI	none	Score	91
Exons	273..425, 274..606, 274..609		

Seq. No.	24619	Seq. ID	OJ990204_02.9819.C25
Gene No.	51180	Strand	+
Start	1	End	894

Name	OJ990204_02.9819.C25.o1.gs	Method	GENSCAN
Start	357	End	669
GI	none	Score	.86
Exons	357..669		

Seq. No.	24620	Seq. ID	OJ990204_02.9819.C28
Gene No.	51181	Strand	-
Start	1	End	703
Name	OJ990204_02.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	703
GI	4680186	Score	127
Exons	1..199, 655..703		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	24620	Seq. ID	OJ990204_02.9819.C28
Gene No.	51181	Strand	-
Start	1	End	703
Name	OJ990204_02.9819.C28.o1.gs	Method	GENSCAN
Start	56	End	333
GI	none	Score	.82
Exons	56..204, 274..333		

Seq. No.	24621	Seq. ID	OJ990204_02.9819.C29
Gene No.	51182	Strand	+
Start	784	End	886
Name	OJ990204_02.9819.C29.o1.gs	Method	GENSCAN
Start	784	End	886
GI	none	Score	.68
Exons	784..886		

Seq. No.	24622	Seq. ID	OJ990204_02.9819.C30
Gene No.	51183	Strand	+
Start	616	End	976
Name	OJ990204_02.9819.C30.o1.gp	Method	AAT/GAP
Start	616	End	976
GI	LIB3431-045-P1-N1-A10	Score	621
Exons	616..976		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	24622	Seq. ID	OJ990204_02.9819.C30
Gene No.	51184	Strand	-
Start	801	End	1562
Name	OJ990204_02.9819.C30.o1.gs	Method	GENSCAN
Start	801	End	1562
GI	none	Score	.91
Exons	801..961, 1098..1131, 1198..1315, 1320..1367, 1431..1562		

Seq. No.	24622	Seq. ID	OJ990204_02.9819.C30
Gene No.	51184	Strand	-
Start	801	End	1562
Name	OJ990204_02.9819.C30.o1.np	Method	AAT/NAP
Start	1080	End	1562
GI	5441880	Score	548
Exons	1080..1315, 1431..1562		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein.		

(AC003981) [Oryza sativa]

Seq. No.	24623	Seq. ID	OJ990204_02.9819.C31
Gene No.	51185	Strand	-
Start	1	End	706
Name	OJ990204_02.9819.C31.o1.np	Method	AAT/NAP
Start	1	End	706
GI	6539581	Score	297
Exons	1..590, 654..706		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	24624	Seq. ID	OJ990204_02.9819.C32
Gene No.	51186	Strand	-
Start	258	End	1200
Name	OJ990204_02.9819.C32.o1.gs	Method	GENSCAN
Start	258	End	1009
GI	none	Score	.62
Exons	258..326, 359..429, 901..1009		

Seq. No.	24624	Seq. ID	OJ990204_02.9819.C32
Gene No.	51186	Strand	-
Start	258	End	1200
Name	OJ990204_02.9819.C32.o1.np	Method	AAT/NAP
Start	376	End	1200
GI	5042454	Score	163
Exons	376..442, 762..1200		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	24625	Seq. ID	OJ990204_02.9819.C33
Gene No.	51187	Strand	+
Start	752	End	1981
Name	OJ990204_02.9819.C33.o1.gs	Method	GENSCAN
Start	752	End	1981
GI	none	Score	.46
Exons	752..811, 905..1064, 1549..1642, 1904..1981		

Seq. No.	24625	Seq. ID	OJ990204_02.9819.C33
Gene No.	51187	Strand	+
Start	752	End	1981
Name	OJ990204_02.9819.C33.o1.np	Method	AAT/NAP
Start	752	End	1051
GI	4538965	Score	173
Exons	752..811, 905..1051		
GI Descrip.	(AL049488) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24626	Seq. ID	OJ990204_02.9819.C34
Gene No.	51188	Strand	-
Start	11	End	5909
Name	OJ990204_02.9819.C34.o1.gs	Method	GENSCAN
Start	11	End	5909
GI	none	Score	.79
Exons	11..43, 274..372, 1860..2089, 2397..2942, 3029..3383, 3969..4264, 4487..4536, 4624..4726, 5150..5206, 5393..5440, 5547..5707, 5762..5909		

Seq. No.	24626	Seq. ID	OJ990204_02.9819.C34

Gene No.	51188	Strand	-
Start	11	End	5909
Name	OJ990204_02.9819.C34.o2.tm	Method	TBLASTX:Maize
Start	1806	End	2116
GI	none	Score	102
Exons	1806..2102, 1808..2116		

Seq. No.	24626	Seq. ID	OJ990204_02.9819.C34
Gene No.	51188	Strand	-
Start	11	End	5909
Name	OJ990204_02.9819.C34.o2.ts	Method	TBLASTX:Soybean
Start	1808	End	2092
GI	none	Score	83
Exons	1808..2092, 1896..2087		

Seq. No.	24626	Seq. ID	OJ990204_02.9819.C34
Gene No.	51188	Strand	-
Start	11	End	5909
Name	OJ990204_02.9819.C34.o1.np	Method	AAT/NAP
Start	1811	End	5909
GI	3786007	Score	1181
Exons	1811..2092, 2397..2942, 3029..3383, 3969..4264, 4839..4867, 5655..5909		
GI Descrip.	(AC005499) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24626	Seq. ID	OJ990204_02.9819.C34
Gene No.	51188	Strand	-
Start	11	End	5909
Name	OJ990204_02.9819.C34.o1.tw	Method	TBLASTX:Wheat
Start	1811	End	2041
GI	none	Score	68
Exons	1811..2041, 1836..1985		

Seq. No.	24626	Seq. ID	OJ990204_02.9819.C34
Gene No.	51188	Strand	-
Start	11	End	5909
Name	OJ990204_02.9819.C34.o2.tc	Method	TBLASTX:Cress
Start	1823	End	2050
GI	none	Score	44
Exons	1823..2050, 1824..1925, 1971..2048		

Seq. No.	24626	Seq. ID	OJ990204_02.9819.C34
Gene No.	51188	Strand	-
Start	11	End	5909
Name	OJ990204_02.9819.C34.o1.tm	Method	TBLASTX:Maize
Start	2385	End	3361
GI	none	Score	181
Exons	2385..2732, 2422..2769, 2736..2945, 2737..2925, 3014..3307, 3033..3260, 3158..3292, 3299..3361, 3317..3361		

Seq. No.	24626	Seq. ID	OJ990204_02.9819.C34
Gene No.	51188	Strand	-
Start	11	End	5909
Name	OJ990204_02.9819.C34.o1.tc	Method	TBLASTX:Cress
Start	2514	End	3361
GI	none	Score	81
Exons	2514..2711, 2557..2685, 2820..2927, 3029..3166, 3161..3361		

Seq. No.	24626	Seq. ID	OJ990204_02.9819.C34
Gene No.	51188	Strand	-
Start	11	End	5909
Name	OJ990204_02.9819.C34.o1.ts	Method	TBLASTX:Soybean
Start	2514	End	3301
GI	none	Score	67
Exons	2514..2738, 2536..2673, 2820..2930, 3035..3130, 3152..3301		

Seq. No.	24626	Seq. ID	OJ990204_02.9819.C34
Gene No.	51188	Strand	-
Start	11	End	5909
Name	OJ990204_02.9819.C34.o1.gp	Method	AAT/GAP
Start	3295	End	4546
GI	LIB3432-029-P1-K1-D2	Score	821
Exons	3295..3383, 3969..4264, 4487..4546		
GI Descrip.	'3786007 8.0e-31 (AC005499) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	24626	Seq. ID	OJ990204_02.9819.C34
Gene No.	51188	Strand	-
Start	11	End	5909
Name	OJ990204_02.9819.C34.o3.ts	Method	TBLASTX:Soybean
Start	3948	End	4148
GI	none	Score	145
Exons	3948..4148, 3974..4144		

Seq. No.	24627	Seq. ID	OJ990204_02.9819.C35
Gene No.	51189	Strand	-
Start	610	End	694
Name	OJ990204_02.9819.C35.o1.gs	Method	GENSCAN
Start	610	End	694
GI	none	Score	.67
Exons	610..694		

Seq. No.	24628	Seq. ID	OJ990204_02.9819.C36
Gene No.	51190	Strand	+
Start	572	End	2755
Name	OJ990204_02.9819.C36.o1.gs	Method	GENSCAN
Start	572	End	1499
GI	none	Score	.77
Exons	572..1146, 1422..1499		

Seq. No.	24628	Seq. ID	OJ990204_02.9819.C36
Gene No.	51190	Strand	+
Start	572	End	2755
Name	OJ990204_02.9819.C36.o2.np	Method	AAT/NAP
Start	710	End	2755
GI	2224810	Score	91
Exons	710..1015, 2736..2755		
GI Descrip.	(Z97022) cysteine proteinase [Hordeum vulgare]		

Seq. No.	24628	Seq. ID	OJ990204_02.9819.C36
Gene No.	51191	Strand	-
Start	1	End	2224
Name	OJ990204_02.9819.C36.o1.np	Method	AAT/NAP
Start	1	End	2224

GI	5853329	Score	102
Exons	1..141, 2183..2224		
GI Descrip.	(AF182079) thiol protease [Matricaria chamomilla]		

Seq. No.	24628	Seq. ID	OJ990204_02.9819.C36
Gene No.	51191	Strand	-
Start	1	End	2224
Name	OJ990204_02.9819.C36.o2.gs	Method	GENSCAN
Start	1857	End	2208
GI	none	Score	.77
Exons	1857..1930, 2040..2208		

Seq. No.	24629	Seq. ID	OJ990204_02.9819.C37
Gene No.	51192	Strand	+
Start	241	End	807
Name	OJ990204_02.9819.C37.o2.gp	Method	AAT/GAP
Start	241	End	807
GI	36697_1.R1084	Score	1090
Exons	241..807		
GI Descrip.	'128592/sp|P29162|NTP3_TOBAC 2.0e-35 POLLEN-SPECIFIC PROTEIN NTP303 PRECURSOR >gi_82190_pir__S22495 pollen-specific protein precursor - common tobacco >gi_19902_emb_CAA43454_ (X61146) pollen specific protein [Nicotiana tabacum]'		

Seq. No.	24629	Seq. ID	OJ990204_02.9819.C37
Gene No.	51193	Strand	-
Start	124	End	551
Name	OJ990204_02.9819.C37.o1.gp	Method	AAT/GAP
Start	124	End	551
GI	LIB3477-003-P1-K1-E9	Score	137
Exons	124..224, 525..551		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	24629	Seq. ID	OJ990204_02.9819.C37
Gene No.	51194	Strand	-
Start	506	End	1885
Name	OJ990204_02.9819.C37.o1.tm	Method	TBLASTX:Maize
Start	498	End	1883
GI	none	Score	408
Exons	498..764, 509..808, 510..809, 1373..1789, 1374..1790, 1824..1883, 1829..1882		

Seq. No.	24629	Seq. ID	OJ990204_02.9819.C37
Gene No.	51194	Strand	-
Start	506	End	1885
Name	OJ990204_02.9819.C37.o1.gs	Method	GENSCAN
Start	506	End	1784
GI	none	Score	.84
Exons	506..809, 1374..1708, 1749..1784		

Seq. No.	24629	Seq. ID	OJ990204_02.9819.C37
Gene No.	51194	Strand	-
Start	506	End	1885
Name	OJ990204_02.9819.C37.o1.np	Method	AAT/NAP
Start	515	End	1885

GI	4204258	Score	910
Exons	515..809, 1374..1885		
GI Descrip.	(AC005223) 14409 [Arabidopsis thaliana]		

Seq. No.	24629	Seq. ID	OJ990204_02.9819.C37
Gene No.	51194	Strand	-
Start	506	End	1885
Name	OJ990204_02.9819.C37.o2.ts	Method	TBLASTX:Soybean
Start	518	End	815
GI	none	Score	216
Exons	518..802, 525..815		

Seq. No.	24629	Seq. ID	OJ990204_02.9819.C37
Gene No.	51194	Strand	-
Start	506	End	1885
Name	OJ990204_02.9819.C37.o1.tc	Method	TBLASTX:Cress
Start	518	End	1732
GI	none	Score	242
Exons	518..802, 528..803, 1376..1732, 1377..1730		

Seq. No.	24629	Seq. ID	OJ990204_02.9819.C37
Gene No.	51194	Strand	-
Start	506	End	1885
Name	OJ990204_02.9819.C37.o1.tw	Method	TBLASTX:Wheat
Start	677	End	1640
GI	none	Score	178
Exons	677..808, 678..809, 1373..1639, 1374..1640		

Seq. No.	24629	Seq. ID	OJ990204_02.9819.C37
Gene No.	51194	Strand	-
Start	506	End	1885
Name	OJ990204_02.9819.C37.o1.ts	Method	TBLASTX:Soybean
Start	1400	End	1787
GI	none	Score	65
Exons	1400..1489, 1428..1484, 1494..1787, 1508..1786		

Seq. No.	24629	Seq. ID	OJ990204_02.9819.C37
Gene No.	51194	Strand	-
Start	506	End	1885
Name	OJ990204_02.9819.C37.o3.gp	Method	AAT/GAP
Start	1591	End	1885
GI	32689_1.R1084	Score	508
Exons	1591..1885		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	24630	Seq. ID	OJ990204_02.9819.C39
Gene No.	51195	Strand	-
Start	187	End	666
Name	OJ990204_02.9819.C39.o1.np	Method	AAT/NAP
Start	187	End	666
GI	5922623	Score	76
Exons	187..250, 427..666		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	24631	Seq. ID	OJ990204_02.9819.C40
Gene No.	51196	Strand	+
Start	174	End	977
Name	OJ990204_02.9819.C40.o1.np	Method	AAT/NAP
Start	174	End	977
GI	6721543	Score	98
Exons	174..303, 958..977		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	24631	Seq. ID	OJ990204_02.9819.C40
Gene No.	51196	Strand	+
Start	174	End	977
Name	OJ990204_02.9819.C40.o1.gp	Method	AAT/GAP
Start	188	End	338
GI	7406_1.R1084	Score	230
Exons	188..338		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	24632	Seq. ID	OJ990204_02.9819.C41
Gene No.	51197	Strand	+
Start	151	End	1664
Name	OJ990204_02.9819.C41.o1.np	Method	AAT/NAP
Start	151	End	1664
GI	5441880	Score	1764
Exons	151..1156, 1601..1664		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	24632	Seq. ID	OJ990204_02.9819.C41
Gene No.	51197	Strand	+
Start	151	End	1664
Name	OJ990204_02.9819.C41.o1.gs	Method	GENSCAN
Start	193	End	1614
GI	none	Score	.56
Exons	193..1110, 1243..1614		

Seq. No.	24632	Seq. ID	OJ990204_02.9819.C41
Gene No.	51197	Strand	+
Start	151	End	1664
Name	OJ990204_02.9819.C41.o1.tm	Method	TBLASTX:Maize
Start	712	End	1173
GI	none	Score	93
Exons	712..840, 720..818, 874..1173, 891..1112		

Seq. No.	24632	Seq. ID	OJ990204_02.9819.C41
Gene No.	51197	Strand	+
Start	151	End	1664
Name	OJ990204_02.9819.C41.o1.gp	Method	AAT/GAP
Start	755	End	1186
GI	5701669	Score	849
Exons	755..1186		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	24632	Seq. ID	OJ990204_02.9819.C41
Gene No.	51197	Strand	+
Start	151	End	1664
Name	OJ990204_02.9819.C41.o1.tw	Method	TBLASTX:Wheat
Start	1006	End	1386
GI	none	Score	208
Exons	1006..1200, 1015..1212, 1206..1385, 1210..1386		

Seq. No.	24633	Seq. ID	OJ990204_02.9819.C43
Gene No.	51198	Strand	-
Start	180	End	2402
Name	OJ990204_02.9819.C43.o1.np	Method	AAT/NAP
Start	180	End	1676
GI	6907088	Score	217
Exons	180..570, 1073..1293, 1522..1676		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24633	Seq. ID	OJ990204_02.9819.C43
Gene No.	51198	Strand	-
Start	180	End	2402
Name	OJ990204_02.9819.C43.o2.np	Method	AAT/NAP
Start	839	End	2402
GI	4680186	Score	182
Exons	839..895, 1530..1663, 2240..2402		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	24633	Seq. ID	OJ990204_02.9819.C43
Gene No.	51199	Strand	-
Start	3970	End	5616
Name	OJ990204_02.9819.C43.o4.np	Method	AAT/NAP
Start	3970	End	5616
GI	6539581	Score	1382
Exons	3970..4116, 4191..5616		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	24633	Seq. ID	OJ990204_02.9819.C43
Gene No.	51199	Strand	-
Start	3970	End	5616
Name	OJ990204_02.9819.C43.o1.tw	Method	TBLASTX:Wheat
Start	5148	End	5568
GI	none	Score	66
Exons	5148..5567, 5149..5343, 5452..5568		

Seq. No.	24633	Seq. ID	OJ990204_02.9819.C43
Gene No.	51199	Strand	-
Start	3970	End	5616
Name	OJ990204_02.9819.C43.o1.ts	Method	TBLASTX:Soybean
Start	5211	End	5567
GI	none	Score	195
Exons	5211..5567		

Seq. No.	24634	Seq. ID	OJ990204_02.9819.C44
Gene No.	51200	Strand	+
Start	966	End	2068
Name	OJ990204_02.9819.C44.o1.gs	Method	GENSCAN

Start	966	End	2068
GI	none	Score	.46
Exons	966..1048, 1489..1531, 1894..2068		

Seq. No.	24634	Seq. ID	OJ990204_02.9819.C44
Gene No.	51201	Strand	-
Start	1	End	2466
Name	OJ990204_02.9819.C44.o1.np	Method	AAT/NAP
Start	1	End	2466
GI	6539581	Score	902
Exons	1..851, 2091..2147, 2253..2466		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	24634	Seq. ID	OJ990204_02.9819.C44
Gene No.	51201	Strand	-
Start	1	End	2466
Name	OJ990204_02.9819.C44.o1.ts	Method	TBLASTX:Soybean
Start	297	End	632
GI	none	Score	142
Exons	297..632, 300..632		

Seq. No.	24634	Seq. ID	OJ990204_02.9819.C44
Gene No.	51201	Strand	-
Start	1	End	2466
Name	OJ990204_02.9819.C44.o1.tm	Method	TBLASTX:Maize
Start	309	End	692
GI	none	Score	163
Exons	309..692, 321..689		

Seq. No.	24634	Seq. ID	OJ990204_02.9819.C44
Gene No.	51201	Strand	-
Start	1	End	2466
Name	OJ990204_02.9819.C44.o1.tc	Method	TBLASTX:Cress
Start	378	End	698
GI	none	Score	66
Exons	378..698, 477..671		

Seq. No.	24634	Seq. ID	OJ990204_02.9819.C44
Gene No.	51201	Strand	-
Start	1	End	2466
Name	OJ990204_02.9819.C44.o1.tw	Method	TBLASTX:Wheat
Start	525	End	815
GI	none	Score	223
Exons	525..815		

Seq. No.	24634	Seq. ID	OJ990204_02.9819.C44
Gene No.	51201	Strand	-
Start	1	End	2466
Name	OJ990204_02.9819.C44.o2.tm	Method	TBLASTX:Maize
Start	693	End	2153
GI	none	Score	62
Exons	693..857, 709..882, 2091..2153		

Seq. No.	24635	Seq. ID	OJ990204_02.9819.C45
Gene No.	51202	Strand	-
Start	58	End	3685

Name	OJ990204_02.9819.C45.o1.gs	Method	GENSCAN
Start	58	End	3685
GI	none	Score	.95
Exons	58..132, 505..576, 661..800, 985..1038, 1204..1311, 1527..1622, 1704..1763, 2110..2169, 3457..3685		

Seq. No.	24635	Seq. ID	OJ990204_02.9819.C45
Gene No.	51202	Strand	-
Start	58	End	3685
Name	OJ990204_02.9819.C45.o1.np	Method	AAT/NAP
Start	1672	End	3685
GI	6907105	Score	456
Exons	1672..1813, 2100..2183, 3417..3685		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24636	Seq. ID	OJ990204_02.9819.C46
Gene No.	51203	Strand	+
Start	1807	End	3871
Name	OJ990204_02.9819.C46.o1.gs	Method	GENSCAN
Start	1807	End	3871
GI	none	Score	.5
Exons	1807..1922, 2404..2521, 3135..3162, 3554..3639, 3724..3871		

Seq. No.	24637	Seq. ID	OJ990204_02.9819.C47
Gene No.	51204	Strand	+
Start	58	End	150
Name	OJ990204_02.9819.C47.o1.gp	Method	AAT/GAP
Start	58	End	150
GI	5607585	Score	108
Exons	58..150		

Seq. No.	24638	Seq. ID	OJ990204_02.9819.C49
Gene No.	51205	Strand	+
Start	367	End	491
Name	OJ990204_02.9819.C49.o1.gs	Method	GENSCAN
Start	367	End	491
GI	none	Score	.42
Exons	367..491		

Seq. No.	24639	Seq. ID	OJ990204_02.9819.C50
Gene No.	51206	Strand	-
Start	1	End	596
Name	OJ990204_02.9819.C50.o1.np	Method	AAT/NAP
Start	1	End	494
GI	5441880	Score	247
Exons	1..494		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	24639	Seq. ID	OJ990204_02.9819.C50
Gene No.	51206	Strand	-
Start	1	End	596
Name	OJ990204_02.9819.C50.o1.gs	Method	GENSCAN
Start	392	End	596
GI	none	Score	.85
Exons	392..596		

Seq. No.	24640	Seq. ID	OJ990204_02.9819.C52
Gene No.	51207	Strand	+
Start	70	End	211
Name	OJ990204_02.9819.C52.o1.gp	Method	AAT/GAP
Start	70	End	211
GI	32689_1.R1084	Score	212
Exons	70..211		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	24640	Seq. ID	OJ990204_02.9819.C52
Gene No.	51208	Strand	+
Start	139	End	214
Name	OJ990204_02.9819.C52.o1.gs	Method	GENSCAN
Start	139	End	214
GI	none	Score	.55
Exons	139..214		

Seq. No.	24640	Seq. ID	OJ990204_02.9819.C52
Gene No.	51209	Strand	-
Start	1	End	741
Name	OJ990204_02.9819.C52.o1.np	Method	AAT/NAP
Start	1	End	741
GI	4204257	Score	171
Exons	1..210, 705..741		
GI Descrip.	(AC005223) 5493 [Arabidopsis thaliana]		

Seq. No.	24640	Seq. ID	OJ990204_02.9819.C52
Gene No.	51209	Strand	-
Start	1	End	741
Name	OJ990204_02.9819.C52.o1.tm	Method	TBLASTX:Maize
Start	70	End	210
GI	none	Score	196
Exons	70..210, 71..208		

Seq. No.	24640	Seq. ID	OJ990204_02.9819.C52
Gene No.	51209	Strand	-
Start	1	End	741
Name	OJ990204_02.9819.C52.o1.ts	Method	TBLASTX:Soybean
Start	70	End	199
GI	none	Score	126
Exons	70..198, 71..199		

Seq. No.	24641	Seq. ID	OJ990204_02.9819.C53
Gene No.	51210	Strand	-
Start	346	End	540
Name	OJ990204_02.9819.C53.o1.gs	Method	GENSCAN
Start	346	End	540
GI	none	Score	.84
Exons	346..540		

Seq. No.	24642	Seq. ID	OJ990204_02.9819.C55
Gene No.	51211	Strand	+
Start	363	End	657
Name	OJ990204_02.9819.C55.o1.gs	Method	GENSCAN

Start	363	End	657
GI	none	Score	.98
Exons	363..657		

Seq. No.	24643	Seq. ID	OJ990204_02.9819.C56
Gene No.	51212	Strand	-
Start	370	End	465
Name	OJ990204_02.9819.C56.o1.gs	Method	GENSCAN
Start	370	End	465
GI	none	Score	.64
Exons	370..465		

Seq. No.	24644	Seq. ID	OJ990204_02.9819.C57
Gene No.	51213	Strand	+
Start	253	End	517
Name	OJ990204_02.9819.C57.o1.gs	Method	GENSCAN
Start	253	End	517
GI	none	Score	.57
Exons	253..517		

Seq. No.	24645	Seq. ID	OJ990204_03.9819.C1
Gene No.	51214	Strand	-
Start	1	End	1037
Name	OJ990204_03.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	1037
GI	3777527	Score	733
Exons	1..1037		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	24645	Seq. ID	OJ990204_03.9819.C1
Gene No.	51214	Strand	-
Start	1	End	1037
Name	OJ990204_03.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	56	End	517
GI	none	Score	93
Exons	56..112, 139..369, 142..516, 143..517		

Seq. No.	24645	Seq. ID	OJ990204_03.9819.C1
Gene No.	51214	Strand	-
Start	1	End	1037
Name	OJ990204_03.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	179	End	792
GI	5509260	Score	194
Exons	179..436, 184..741, 482..598, 499..636, 516..659, 733..792		
GI Descrip.	-		

Seq. No.	24645	Seq. ID	OJ990204_03.9819.C1
Gene No.	51214	Strand	-
Start	1	End	1037
Name	OJ990204_03.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	190	End	642
GI	none	Score	98
Exons	190..366, 193..540, 197..373, 406..534, 541..567, 574..642		

Seq. No.	24645	Seq. ID	OJ990204_03.9819.C1
Gene No.	51214	Strand	-
Start	1	End	1037

Name	OJ990204_03.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	298	End	558
GI	none	Score	212
Exons	298..558		

Seq. No.	24646	Seq. ID	OJ990204_03.9819.C2
Gene No.	51215	Strand	-
Start	1	End	696
Name	OJ990204_03.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	696
GI	6721517	Score	739
Exons	1..565, 613..696		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	24646	Seq. ID	OJ990204_03.9819.C2
Gene No.	51215	Strand	-
Start	1	End	696
Name	OJ990204_03.9819.C2.o1.gs	Method	GENSCAN
Start	65	End	358
GI	none	Score	.5
Exons	65..358		

Seq. No.	24646	Seq. ID	OJ990204_03.9819.C2
Gene No.	51215	Strand	-
Start	1	End	696
Name	OJ990204_03.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	155	End	509
GI	none	Score	68
Exons	155..508, 191..325, 414..509		

Seq. No.	24646	Seq. ID	OJ990204_03.9819.C2
Gene No.	51215	Strand	-
Start	1	End	696
Name	OJ990204_03.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	242	End	518
GI	none	Score	56
Exons	242..517, 417..518		

Seq. No.	24647	Seq. ID	OJ990204_03.9819.C3
Gene No.	51216	Strand	+
Start	204	End	688
Name	OJ990204_03.9819.C3.o1.gs	Method	GENSCAN
Start	204	End	688
GI	none	Score	.58
Exons	204..269, 523..688		

Seq. No.	24648	Seq. ID	OJ990204_03.9819.C5
Gene No.	51217	Strand	+
Start	1	End	701
Name	OJ990204_03.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	701
GI	4416302	Score	380
Exons	1..701		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	24648	Seq. ID	OJ990204_03.9819.C5
Gene No.	51217	Strand	+

Start	1	End	701
Name	OJ990204_03.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	54	End	542
GI	none	Score	392
Exons	54..413, 55..414, 474..542		

Seq. No.	24648	Seq. ID	OJ990204_03.9819.C5
Gene No.	51217	Strand	+
Start	1	End	701
Name	OJ990204_03.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	58	End	258
GI	none	Score	215
Exons	58..258, 84..257		

Seq. No.	24648	Seq. ID	OJ990204_03.9819.C5
Gene No.	51217	Strand	+
Start	1	End	701
Name	OJ990204_03.9819.C5.o1.gs	Method	GENSCAN
Start	78	End	366
GI	none	Score	.97
Exons	78..366		

Seq. No.	24648	Seq. ID	OJ990204_03.9819.C5
Gene No.	51217	Strand	+
Start	1	End	701
Name	OJ990204_03.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	100	End	474
GI	none	Score	233
Exons	100..411, 117..404, 433..474		

Seq. No.	24649	Seq. ID	OJ990204_03.9819.C6
Gene No.	51218	Strand	+
Start	1	End	806
Name	OJ990204_03.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	797
GI	4416302	Score	723
Exons	1..797		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	24649	Seq. ID	OJ990204_03.9819.C6
Gene No.	51218	Strand	+
Start	1	End	806
Name	OJ990204_03.9819.C6.o1.gs	Method	GENSCAN
Start	83	End	258
GI	none	Score	.95
Exons	83..258		

Seq. No.	24649	Seq. ID	OJ990204_03.9819.C6
Gene No.	51218	Strand	+
Start	1	End	806
Name	OJ990204_03.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	121	End	776
GI	none	Score	55
Exons	121..168, 170..766, 171..776		

Seq. No.	24649	Seq. ID	OJ990204_03.9819.C6
Gene No.	51218	Strand	+

Start	1	End	806
Name	OJ990204_03.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	171	End	806
GI	none	Score	255
Exons	171..527, 242..484, 546..806, 560..730		

Seq. No.	24649	Seq. ID	OJ990204_03.9819.C6
Gene No.	51218	Strand	+
Start	1	End	806
Name	OJ990204_03.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	276	End	731
GI	none	Score	122
Exons	276..536, 540..731, 555..731		

Seq. No.	24649	Seq. ID	OJ990204_03.9819.C6
Gene No.	51218	Strand	+
Start	1	End	806
Name	OJ990204_03.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	411	End	776
GI	none	Score	80
Exons	411..542, 531..776		

Seq. No.	24650	Seq. ID	OJ990204_03.9819.C7
Gene No.	51219	Strand	+
Start	1014	End	2027
Name	OJ990204_03.9819.C7.o1.np	Method	AAT/NAP
Start	1014	End	2027
GI	6539588	Score	188
Exons	1014..1040, 1756..2027		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	24650	Seq. ID	OJ990204_03.9819.C7
Gene No.	51220	Strand	+
Start	3258	End	5057
Name	OJ990204_03.9819.C7.o1.gp	Method	AAT/GAP
Start	3207	End	3836
GI	LIB3474-001-P1-K1-D7	Score	730
Exons	3207..3340, 3454..3661, 3777..3836		
GI Descrip.	'3980415 9.0e-31 (AC004561) putative tropinone reductase [Arabidopsis thaliana]'		

Seq. No.	24650	Seq. ID	OJ990204_03.9819.C7
Gene No.	51220	Strand	+
Start	3258	End	5057
Name	OJ990204_03.9819.C7.o2.gs	Method	GENSCAN
Start	3258	End	3931
GI	none	Score	.83
Exons	3258..3340, 3471..3661, 3777..3931		

Seq. No.	24650	Seq. ID	OJ990204_03.9819.C7
Gene No.	51220	Strand	+
Start	3258	End	5057
Name	OJ990204_03.9819.C7.o3.np	Method	AAT/NAP
Start	3276	End	5057
GI	6580779	Score	88
Exons	3276..3340, 3454..3661, 3777..3993, 4564..4681, 5020..5057		
GI Descrip.	(AF088897) hypothetical protein; orf3 [Zymomonas mobilis]		

Seq. No.	24650	Seq. ID	OJ990204_03.9819.C7
Gene No.	51221	Strand	-
Start	2006	End	2809
Name	OJ990204_03.9819.C7.o2.np	Method	AAT/NAP
Start	2006	End	2809
GI	283051	Score	534
Exons	2006..2809		
GI Descrip.	RNA-directed DNA polymerase (EC 2.7.7.49) - maize transposon (fragment)		

Seq. No.	24650	Seq. ID	OJ990204_03.9819.C7
Gene No.	51221	Strand	-
Start	2006	End	2809
Name	OJ990204_03.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	2201	End	2611
GI	none	Score	68
Exons	2201..2290, 2202..2306, 2308..2529, 2313..2555, 2530..2610, 2555..2611		

Seq. No.	24650	Seq. ID	OJ990204_03.9819.C7
Gene No.	51221	Strand	-
Start	2006	End	2809
Name	OJ990204_03.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	2207	End	2721
GI	none	Score	70
Exons	2207..2263, 2307..2408, 2400..2555, 2638..2721		

Seq. No.	24650	Seq. ID	OJ990204_03.9819.C7
Gene No.	51222	Strand	
Start	3261	End	4673
Name	OJ990204_03.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	3261	End	4661
GI	none	Score	90
Exons	3261..3344, 3275..3343, 3457..3663, 3458..3664, 3770..3952, 3777..3995, 4553..4639, 4556..4657, 4557..4661		

Seq. No.	24650	Seq. ID	OJ990204_03.9819.C7
Gene No.	51222	Strand	
Start	3261	End	4673
Name	OJ990204_03.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	3279	End	4673
GI	none	Score	68
Exons	3279..3344, 3284..3340, 3457..3660, 3458..3664, 3719..3994, 3777..3995, 4550..4672, 4557..4673		

Seq. No.	24650	Seq. ID	OJ990204_03.9819.C7
Gene No.	51222	Strand	
Start	3261	End	4673
Name	OJ990204_03.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	3282	End	3905
GI	none	Score	87
Exons	3282..3344, 3287..3340, 3457..3678, 3458..3664, 3770..3901, 3777..3905		

Seq. No.	24651	Seq. ID	OJ990204_03.9819.C8
Gene No.	51223	Strand	+

Start	1	End	473
Name	OJ990204_03.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	473
GI	2880044	Score	130
Exons	1..60, 285..473		
GI Descrip.	(AC002340) putative tropinone reductase [Arabidopsis thaliana]		

Seq. No.	24651	Seq. ID	OJ990204_03.9819.C8
Gene No.	51224	Strand	-
Start	252	End	2224
Name	OJ990204_03.9819.C8.o1.gs	Method	GENSCAN
Start	252	End	2085
GI	none	Score	.46
Exons	252..458, 1990..2085		

Seq. No.	24651	Seq. ID	OJ990204_03.9819.C8
Gene No.	51224	Strand	-
Start	252	End	2224
Name	OJ990204_03.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	287	End	449
GI	none	Score	54
Exons	287..433, 300..449, 329..442		

Seq. No.	24651	Seq. ID	OJ990204_03.9819.C8
Gene No.	51224	Strand	-
Start	252	End	2224
Name	OJ990204_03.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	288	End	445
GI	none	Score	186
Exons	288..437, 329..445		

Seq. No.	24651	Seq. ID	OJ990204_03.9819.C8
Gene No.	51224	Strand	-
Start	252	End	2224
Name	OJ990204_03.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	1949	End	2224
GI	none	Score	188
Exons	1949..2224, 2071..2181		

Seq. No.	24651	Seq. ID	OJ990204_03.9819.C8
Gene No.	51224	Strand	-
Start	252	End	2224
Name	OJ990204_03.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	1981	End	2213
GI	none	Score	217
Exons	1981..2199, 1982..2212, 2073..2213		

Seq. No.	24652	Seq. ID	OJ990204_03.9819.C12
Gene No.	51225	Strand	+
Start	90	End	466
Name	OJ990204_03.9819.C12.o1.gs	Method	GENSCAN
Start	90	End	466
GI	none	Score	.89
Exons	90..125, 365..466		

Seq. No.	24652	Seq. ID	OJ990204_03.9819.C12
Gene No.	51226	Strand	-

Start	1	End	723
Name	OJ990204_03.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	723
GI	4680179	Score	947
Exons	1..723		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	24652	Seq. ID	OJ990204_03.9819.C12
Gene No.	51226	Strand	-
Start	1	End	723
Name	OJ990204_03.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	82	End	626
GI	none	Score	151
Exons	82..303, 84..311, 372..470, 373..468, 402..470, 468..626, 475..621, 479..625		

Seq. No.	24652	Seq. ID	OJ990204_03.9819.C12
Gene No.	51226	Strand	-
Start	1	End	723
Name	OJ990204_03.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	183	End	699
GI	none	Score	326
Exons	183..698, 184..699		

Seq. No.	24653	Seq. ID	OJ990204_03.9819.C13
Gene No.	51227	Strand	-
Start	1	End	1013
Name	OJ990204_03.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	1013
GI	6721517	Score	1352
Exons	1..1013		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	24653	Seq. ID	OJ990204_03.9819.C13
Gene No.	51227	Strand	-
Start	1	End	1013
Name	OJ990204_03.9819.C13.o2.tw	Method	TBLASTX:Wheat
Start	4	End	339
GI	none	Score	101
Exons	4..339, 86..301, 103..339		

Seq. No.	24653	Seq. ID	OJ990204_03.9819.C13
Gene No.	51227	Strand	-
Start	1	End	1013
Name	OJ990204_03.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	55	End	447
GI	none	Score	69
Exons	55..411, 273..410, 334..411, 403..447, 415..447		

Seq. No.	24653	Seq. ID	OJ990204_03.9819.C13
Gene No.	51227	Strand	-
Start	1	End	1013
Name	OJ990204_03.9819.C13.o1.gs	Method	GENSCAN
Start	127	End	940
GI	none	Score	.62
Exons	127..822, 861..940		

Seq. No.	24653	Seq. ID	OJ990204_03.9819.C13
Gene No.	51227	Strand	-
Start	1	End	1013
Name	OJ990204_03.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	334	End	805
GI	none	Score	118
Exons	334..801, 367..765, 560..805		

Seq. No.	24653	Seq. ID	OJ990204_03.9819.C13
Gene No.	51227	Strand	-
Start	1	End	1013
Name	OJ990204_03.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	388	End	869
GI	none	Score	283
Exons	388..819, 431..820, 629..829, 783..869		

Seq. No.	24653	Seq. ID	OJ990204_03.9819.C13
Gene No.	51227	Strand	-
Start	1	End	1013
Name	OJ990204_03.9819.C13.o2.ts	Method	TBLASTX:Soybean
Start	520	End	801
GI	none	Score	65
Exons	520..801, 521..718		

Seq. No.	24654	Seq. ID	OJ990204_03.9819.C14
Gene No.	51228	Strand	+
Start	1001	End	1138
Name	OJ990204_03.9819.C14.o1.gs	Method	GENSCAN
Start	1001	End	1138
GI	none	Score	.51
Exons	1001..1138		

Seq. No.	24655	Seq. ID	OJ990204_03.9819.C15
Gene No.	51229	Strand	-
Start	273	End	3384
Name	OJ990204_03.9819.C15.o1.gs	Method	GENSCAN
Start	273	End	3384
GI	none	Score	.5
Exons	273..434, 2172..2305, 2397..2416, 2773..2874, 3265..3305, 3344..3384		

Seq. No.	24656	Seq. ID	OJ990204_03.9819.C16
Gene No.	51230	Strand	+
Start	545	End	2130
Name	OJ990204_03.9819.C16.o1.np	Method	AAT/NAP
Start	545	End	2130
GI	1350522	Score	48
Exons	545..602, 1884..2130		
GI Descrip.	(L47115) late embryogenesis abundant protein [Picea glauca]		

Seq. No.	24656	Seq. ID	OJ990204_03.9819.C16
Gene No.	51231	Strand	-
Start	1474	End	1918
Name	OJ990204_03.9819.C16.o1.gs	Method	GENSCAN
Start	1474	End	1918
GI	none	Score	.84
Exons	1474..1676, 1714..1918		

Seq. No.	24657	Seq. ID	OJ990204_03.9819.C17
Gene No.	51232	Strand	+
Start	216	End	461
Name	OJ990204_03.9819.C17.o1.gs	Method	GENSCAN
Start	216	End	461
GI	none	Score	.8
Exons	216..461		

Seq. No.	24657	Seq. ID	OJ990204_03.9819.C17
Gene No.	51233	Strand	-
Start	571	End	1286
Name	OJ990204_03.9819.C17.o2.gs	Method	GENSCAN
Start	571	End	1286
GI	none	Score	.68
Exons	571..1286		

Seq. No.	24658	Seq. ID	OJ990204_03.9819.C18
Gene No.	51234	Strand	+
Start	158	End	718
Name	OJ990204_03.9819.C18.o1.gs	Method	GENSCAN
Start	158	End	718
GI	none	Score	.79
Exons	158..325, 528..718		

Seq. No.	24658	Seq. ID	OJ990204_03.9819.C18
Gene No.	51235	Strand	-
Start	2219	End	5491
Name	OJ990204_03.9819.C18.o2.gs	Method	GENSCAN
Start	2219	End	5491
GI	none	Score	.64
Exons	2219..2299, 2648..2746, 3213..3377, 3407..3540, 4657..4699, 5177..5296, 5345..5491		

Seq. No.	24659	Seq. ID	OJ990204_03.9819.C19
Gene No.	51236	Strand	-
Start	107	End	408
Name	OJ990204_03.9819.C19.o1.gs	Method	GENSCAN
Start	107	End	408
GI	none	Score	.43
Exons	107..408		

Seq. No.	24660	Seq. ID	OJ990204_03.9819.C20
Gene No.	51237	Strand	-
Start	323	End	644
Name	OJ990204_03.9819.C20.o1.gs	Method	GENSCAN
Start	323	End	644
GI	none	Score	.4
Exons	323..429, 470..644		

Seq. No.	24661	Seq. ID	OJ990204_03.9819.C21
Gene No.	51238	Strand	-
Start	93	End	289
Name	OJ990204_03.9819.C21.o1.np	Method	AAT/NAP
Start	93	End	289
GI	283051	Score	114
Exons	93..289		

GI Descrip.	RNA-directed DNA polymerase (EC 2.7.7.49) - maize transposon (fragment)		
Seq. No.	24662	Seq. ID	OJ990204_03.9819.C23
Gene No.	51239	Strand	+
Start	75	End	170
Name	OJ990204_03.9819.C23.o1.gs	Method	GENSCAN
Start	75	End	170
GI	none	Score	.73
Exons	75..170		
Seq. No.	24662	Seq. ID	OJ990204_03.9819.C23
Gene No.	51240	Strand	-
Start	1	End	1132
Name	OJ990204_03.9819.C23.o1.np	Method	AAT/NAP
Start	1	End	1132
GI	5295955	Score	443
Exons	1..335, 1018..1132		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	24663	Seq. ID	OJ990204_03.9819.C24
Gene No.	51241	Strand	+
Start	1442	End	1548
Name	OJ990204_03.9819.C24.o1.gp	Method	AAT/GAP
Start	1442	End	1548
GI	4879016	Score	159
Exons	1442..1548		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		
Seq. No.	24663	Seq. ID	OJ990204_03.9819.C24
Gene No.	51242	Strand	+
Start	1554	End	2751
Name	OJ990204_03.9819.C24.o1.gs	Method	GENSCAN
Start	1554	End	2751
GI	none	Score	.43
Exons	1554..1875, 2357..2751		
Seq. No.	24664	Seq. ID	OJ990204_03.9819.C25
Gene No.	51243	Strand	+
Start	1351	End	1605
Name	OJ990204_03.9819.C25.o1.gs	Method	GENSCAN
Start	1351	End	1605
GI	none	Score	.43
Exons	1351..1605		
Seq. No.	24665	Seq. ID	OJ990204_03.9819.C26
Gene No.	51244	Strand	-
Start	168	End	432
Name	OJ990204_03.9819.C26.o1.gs	Method	GENSCAN
Start	168	End	432
GI	none	Score	.72
Exons	168..432		
Seq. No.	24666	Seq. ID	OJ990204_03.9819.C32

Gene No.	51245	Strand	+
Start	337	End	426
Name	OJ990204_03.9819.C32.o1.gs	Method	GENSCAN
Start	337	End	426
GI	none	Score	.93
Exons	337..426		

Seq. No.	24667	Seq. ID	OJ990204_03.9819.C33
Gene No.	51246	Strand	+
Start	1	End	1293
Name	OJ990204_03.9819.C33.o1.np	Method	AAT/NAP
Start	1	End	1293
GI	629693	Score	152
Exons	1..532, 1249..1293		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	24667	Seq. ID	OJ990204_03.9819.C33
Gene No.	51246	Strand	+
Start	1	End	1293
Name	OJ990204_03.9819.C33.o1.gs	Method	GENSCAN
Start	74	End	538
GI	none	Score	.93
Exons	74..538		

Seq. No.	24667	Seq. ID	OJ990204_03.9819.C33
Gene No.	51247	Strand	-
Start	858	End	1538
Name	OJ990204_03.9819.C33.o1.tw	Method	TBLASTX:Wheat
Start	107	End	514
GI	none	Score	199
Exons	107..514, 115..480		

Seq. No.	24667	Seq. ID	OJ990204_03.9819.C33
Gene No.	51247	Strand	-
Start	858	End	1538
Name	OJ990204_03.9819.C33.o1.ts	Method	TBLASTX:Soybean
Start	290	End	540
GI	none	Score	237
Exons	290..535, 301..429, 502..540		

Seq. No.	24667	Seq. ID	OJ990204_03.9819.C33
Gene No.	51247	Strand	-
Start	858	End	1538
Name	OJ990204_03.9819.C33.o2.gs	Method	GENSCAN
Start	858	End	1538
GI	none	Score	.76
Exons	858..1193, 1443..1538		

Seq. No.	24668	Seq. ID	OJ990204_03.9819.C34
Gene No.	51248	Strand	+
Start	4320	End	4841
Name	OJ990204_03.9819.C34.o3.np	Method	AAT/NAP
Start	4320	End	4841
GI	4416302	Score	137
Exons	4320..4841		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	24668	Seq. ID	OJ990204_03.9819.C34
Gene No.	51249	Strand	-
Start	79	End	2081
Name	OJ990204_03.9819.C34.o1.gs	Method	GENSCAN
Start	79	End	2081
GI	none	Score	.86
Exons	79..353, 702..1152, 1249..1391, 2027..2081		

Seq. No.	24668	Seq. ID	OJ990204_03.9819.C34
Gene No.	51250	Strand	-
Start	2514	End	4680
Name	OJ990204_03.9819.C34.o2.np	Method	AAT/NAP
Start	2514	End	4189
GI	6539588	Score	181
Exons	2514..2533, 3891..4189		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	24668	Seq. ID	OJ990204_03.9819.C34
Gene No.	51250	Strand	-
Start	2514	End	4680
Name	OJ990204_03.9819.C34.o2.gs	Method	GENSCAN
Start	3410	End	4551
GI	none	Score	.41
Exons	3410..3665, 3963..4130, 4487..4551		

Seq. No.	24668	Seq. ID	OJ990204_03.9819.C34
Gene No.	51250	Strand	-
Start	2514	End	4680
Name	OJ990204_03.9819.C34.o1.tm	Method	TBLASTX:Maize
Start	4332	End	4680
GI	none	Score	106
Exons	4332..4445, 4333..4446, 4454..4480, 4481..4537, 4482..4547, 4563..4667, 4567..4680, 4586..4678		

Seq. No.	24669	Seq. ID	OJ990204_03.9819.C36
Gene No.	51251	Strand	+
Start	204	End	1011
Name	OJ990204_03.9819.C36.o1.gs	Method	GENSCAN
Start	204	End	1011
GI	none	Score	.78
Exons	204..217, 828..1011		

Seq. No.	24669	Seq. ID	OJ990204_03.9819.C36
Gene No.	51252	Strand	+
Start	8569	End	9114
Name	OJ990204_03.9819.C36.o2.np	Method	AAT/NAP
Start	8569	End	9114
GI	4206306	Score	357
Exons	8569..9114		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	24669	Seq. ID	OJ990204_03.9819.C36
Gene No.	51253	Strand	-
Start	1667	End	3841
Name	OJ990204_03.9819.C36.o2.gs	Method	GENSCAN
Start	1667	End	3841

GI	none	Score	.54
Exons	1667..1749, 1900..1953, 3796..3841		

Seq. No.	24669	Seq. ID	OJ990204_03.9819.C36
Gene No.	51254	Strand	-
Start	5100	End	5504
Name	OJ990204_03.9819.C36.o1.np	Method	AAT/NAP
Start	5100	End	5504
GI	2462640	Score	492
Exons	5100..5504		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	24669	Seq. ID	OJ990204_03.9819.C36
Gene No.	51255	Strand	-
Start	7184	End	9078
Name	OJ990204_03.9819.C36.o3.gs	Method	GENSCAN
Start	7184	End	9078
GI	none	Score	.73
Exons	7184..7285, 7409..7707, 8093..8285, 8965..9078		

Seq. No.	24669	Seq. ID	OJ990204_03.9819.C36
Gene No.	51256	Strand	-
Start	9405	End	17036
Name	OJ990204_03.9819.C36.o4.gs	Method	GENSCAN
Start	9405	End	17036
GI	none	Score	.65
Exons	9405..9511, 10092..10181, 10509..11355, 11488..11993, 12045..12205, 12245..12419, 12508..12577, 12656..12982, 13030..13409, 13543..13602, 13800..13863, 15473..15574, 15992..16084, 16185..16245, 16589..16774, 16864..17036		

Seq. No.	24669	Seq. ID	OJ990204_03.9819.C36
Gene No.	51257	Strand	-
Start	17181	End	17378
Name	OJ990204_03.9819.C36.o3.tm	Method	TBLASTX:Maize
Start	3632	End	3986
GI	none	Score	73
Exons	3632..3928, 3852..3986		

Seq. No.	24669	Seq. ID	OJ990204_03.9819.C36
Gene No.	51257	Strand	-
Start	17181	End	17378
Name	OJ990204_03.9819.C36.o2.tm	Method	TBLASTX:Maize
Start	4182	End	4556
GI	none	Score	48
Exons	4182..4289, 4183..4284, 4299..4358, 4353..4556, 4353..4556		

Seq. No.	24669	Seq. ID	OJ990204_03.9819.C36
Gene No.	51257	Strand	-
Start	17181	End	17378
Name	OJ990204_03.9819.C36.o1.tw	Method	TBLASTX:Wheat
Start	4230	End	4518
GI	none	Score	127
Exons	4230..4514, 4231..4518		

Seq. No.	24669	Seq. ID	OJ990204_03.9819.C36
Gene No.	51257	Strand	-

Start	17181	End	17378
Name	OJ990204_03.9819.C36.o1.tm	Method	TBLASTX:Maize
Start	4557	End	5468
GI	none	Score	80
Exons	4557..4706, 4695..5468, 5053..5235, 5281..5310		

Seq. No.	24669	Seq. ID	OJ990204_03.9819.C36
Gene No.	51257	Strand	-
Start	17181	End	17378
Name	OJ990204_03.9819.C36.o2.tw	Method	TBLASTX:Wheat
Start	6258	End	6530
GI	none	Score	37
Exons	6258..6326, 6288..6326, 6328..6438, 6338..6475, 6339..6530		

Seq. No.	24669	Seq. ID	OJ990204_03.9819.C36
Gene No.	51257	Strand	-
Start	17181	End	17378
Name	OJ990204_03.9819.C36.o5.tm	Method	TBLASTX:Maize
Start	8571	End	8807
GI	none	Score	185
Exons	8571..8807		

Seq. No.	24669	Seq. ID	OJ990204_03.9819.C36
Gene No.	51257	Strand	-
Start	17181	End	17378
Name	OJ990204_03.9819.C36.o4.tm	Method	TBLASTX:Maize
Start	8818	End	9063
GI	none	Score	186
Exons	8818..9063, 8904..9038		

Seq. No.	24669	Seq. ID	OJ990204_03.9819.C36
Gene No.	51257	Strand	-
Start	17181	End	17378
Name	OJ990204_03.9819.C36.o5.gs	Method	GENSCAN
Start	17181	End	17378
GI	none	Score	.94
Exons	17181..17378		

Seq. No.	24670	Seq. ID	OJ990204_03.9819.C37
Gene No.	51258	Strand	-
Start	101	End	656
Name	OJ990204_03.9819.C37.o1.gs	Method	GENSCAN
Start	101	End	656
GI	none	Score	.54
Exons	101..216, 257..656		

Seq. No.	24671	Seq. ID	OJ990204_03.9819.C38
Gene No.	51259	Strand	+
Start	1	End	825
Name	OJ990204_03.9819.C38.o1.np	Method	AAT/NAP
Start	1	End	825
GI	4680179	Score	830
Exons	1..825		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	24671	Seq. ID	OJ990204_03.9819.C38
Gene No.	51259	Strand	+

Start	1	End	825
Name	OJ990204_03.9819.C38.o1.tw	Method	TBLASTX:Wheat
Start	164	End	523
GI	none	Score	480
Exons	164..523, 164..490, 169..522		

Seq. No.	24671	Seq. ID	OJ990204_03.9819.C38
Gene No.	51259	Strand	+
Start	1	End	825
Name	OJ990204_03.9819.C38.o1.tc	Method	TBLASTX:Cress
Start	221	End	547
GI	none	Score	81
Exons	221..403, 404..547, 469..546		

Seq. No.	24671	Seq. ID	OJ990204_03.9819.C38
Gene No.	51259	Strand	+
Start	1	End	825
Name	OJ990204_03.9819.C38.o1.ts	Method	TBLASTX:Soybean
Start	311	End	571
GI	none	Score	302
Exons	311..571, 316..417, 503..571		

Seq. No.	24671	Seq. ID	OJ990204_03.9819.C38
Gene No.	51259	Strand	+
Start	1	End	825
Name	OJ990204_03.9819.C38.o1.tm	Method	TBLASTX:Maize
Start	369	End	658
GI	none	Score	386
Exons	369..560, 371..658, 472..657		

Seq. No.	24671	Seq. ID	OJ990204_03.9819.C38
Gene No.	51259	Strand	+
Start	1	End	825
Name	OJ990204_03.9819.C38.o2.tw	Method	TBLASTX:Wheat
Start	529	End	658
GI	none	Score	167
Exons	529..657, 530..658		

Seq. No.	24672	Seq. ID	OJ990204_03.9819.C39
Gene No.	51260	Strand	+
Start	723	End	911
Name	OJ990204_03.9819.C39.o1.np	Method	AAT/NAP
Start	723	End	911
GI	2880044	Score	130
Exons	723..911		
GI Descrip.	(AC002340) putative tropinone reductase [Arabidopsis thaliana]		

Seq. No.	24672	Seq. ID	OJ990204_03.9819.C39
Gene No.	51261	Strand	-
Start	690	End	896
Name	OJ990204_03.9819.C39.o1.gs	Method	GENSCAN
Start	690	End	896
GI	none	Score	.89
Exons	690..896		

Seq. No.	24672	Seq. ID	OJ990204_03.9819.C39
Gene No.	51261	Strand	-

Start	690	End	896
Name	OJ990204_03.9819.C39.o1.tw	Method	TBLASTX:Wheat
Start	725	End	887
GI	none	Score	54
Exons	725..871, 738..887, 767..880		

Seq. No.	24672	Seq. ID	OJ990204_03.9819.C39
Gene No.	51261	Strand	-
Start	690	End	896
Name	OJ990204_03.9819.C39.o1.tc	Method	TBLASTX:Cress
Start	726	End	883
GI	none	Score	186
Exons	726..875, 726..869, 767..883		

Seq. No.	24673	Seq. ID	OJ990204_03.9819.C40
Gene No.	51262	Strand	-
Start	88	End	133
Name	OJ990204_03.9819.C40.o1.gs	Method	GENSCAN
Start	88	End	133
GI	none	Score	.42
Exons	88..133		

Seq. No.	24674	Seq. ID	OJ990204_03.9819.C43
Gene No.	51263	Strand	-
Start	1	End	1244
Name	OJ990204_03.9819.C43.o1.np	Method	AAT/NAP
Start	1	End	430
GI	6691193	Score	431
Exons	1..430		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	24674	Seq. ID	OJ990204_03.9819.C43
Gene No.	51263	Strand	-
Start	1	End	1244
Name	OJ990204_03.9819.C43.o1.gs	Method	GENSCAN
Start	10	End	1244
GI	none	Score	.73
Exons	10..417, 711..818, 861..1244		

Seq. No.	24674	Seq. ID	OJ990204_03.9819.C43
Gene No.	51264	Strand	-
Start	3053	End	5406
Name	OJ990204_03.9819.C43.o2.tw	Method	TBLASTX:Wheat
Start	25	End	419
GI	none	Score	140
Exons	25..408, 200..415, 240..419		

Seq. No.	24674	Seq. ID	OJ990204_03.9819.C43
Gene No.	51264	Strand	-
Start	3053	End	5406
Name	OJ990204_03.9819.C43.o2.ts	Method	TBLASTX:Soybean
Start	67	End	418
GI	none	Score	160
Exons	67..381, 68..382, 379..411, 380..418		

Seq. No.	24674	Seq. ID	OJ990204_03.9819.C43
Gene No.	51264	Strand	-

Start	3053	End	5406
Name	OJ990204_03.9819.C43.o2.gs	Method	GENSCAN
Start	3053	End	5394
GI	none	Score	.95
Exons	3053..3951, 4929..5394		

Seq. No.	24674	Seq. ID	OJ990204_03.9819.C43
Gene No.	51264	Strand	-
Start	3053	End	5406
Name	OJ990204_03.9819.C43.o2.np	Method	AAT/NAP
Start	3065	End	5400
GI	6523070	Score	656
Exons	3065..3951, 4920..5400		
GI Descrip.	(AL133314) glucosyltransferase-like protein [Arabidopsis thaliana]		

Seq. No.	24674	Seq. ID	OJ990204_03.9819.C43
Gene No.	51264	Strand	-
Start	3053	End	5406
Name	OJ990204_03.9819.C43.o1.tc	Method	TBLASTX:Cress
Start	3146	End	5406
GI	none	Score	118
Exons	3146..3259, 3251..3484, 3252..3485, 3504..3677, 3506..3676, 3524..3697, 3713..3745, 3773..3823, 4924..5088, 5272..5406		

Seq. No.	24674	Seq. ID	OJ990204_03.9819.C43
Gene No.	51264	Strand	-
Start	3053	End	5406
Name	OJ990204_03.9819.C43.o1.ts	Method	TBLASTX:Soybean
Start	3152	End	5370
GI	none	Score	56
Exons	3152..3232, 3240..3488, 3248..3484, 3506..3667, 3507..3692, 3710..3823, 4945..5088, 5128..5199, 5269..5370		

Seq. No.	24674	Seq. ID	OJ990204_03.9819.C43
Gene No.	51264	Strand	-
Start	3053	End	5406
Name	OJ990204_03.9819.C43.o2.tm	Method	TBLASTX:Maize
Start	3251	End	3493
GI	none	Score	169
Exons	3251..3493, 3255..3488		

Seq. No.	24674	Seq. ID	OJ990204_03.9819.C43
Gene No.	51264	Strand	-
Start	3053	End	5406
Name	OJ990204_03.9819.C43.o1.tw	Method	TBLASTX:Wheat
Start	3261	End	3658
GI	none	Score	222
Exons	3261..3512, 3263..3490, 3483..3653, 3497..3655, 3512..3658		

Seq. No.	24674	Seq. ID	OJ990204_03.9819.C43
Gene No.	51264	Strand	-
Start	3053	End	5406
Name	OJ990204_03.9819.C43.o1.tm	Method	TBLASTX:Maize
Start	3506	End	5380
GI	none	Score	171
Exons	3506..3676, 3507..3677, 3707..3952, 3708..3953, 4919..5005,		

4924..5088, 5092..5262, 5101..5235, 5272..5379, 5273..5380

Seq. No.	24674	Seq. ID	OJ990204_03.9819.C43
Gene No.	51264	Strand	-
Start	3053	End	5406
Name	OJ990204_03.9819.C43.o3.tw	Method	TBLASTX:Wheat
Start	5074	End	5406
GI	none	Score	84
Exons	5074..5235, 5092..5406, 5093..5395		

Seq. No.	24675	Seq. ID	OJ990204_03.9819.C44
Gene No.	51265	Strand	+
Start	243	End	694
Name	OJ990204_03.9819.C44.o1.gs	Method	GENSCAN
Start	243	End	694
GI	none	Score	.83
Exons	243..334, 405..460, 506..694		

Seq. No.	24676	Seq. ID	OJ990204_03.9819.C45
Gene No.	51266	Strand	-
Start	111	End	1279
Name	OJ990204_03.9819.C45.o1.gs	Method	GENSCAN
Start	111	End	1279
GI	none	Score	.76
Exons	111..638, 841..1086, 1178..1279		

Seq. No.	24677	Seq. ID	OJ990204_03.9819.C47
Gene No.	51267	Strand	+
Start	655	End	916
Name	OJ990204_03.9819.C47.o1.gs	Method	GENSCAN
Start	655	End	916
GI	none	Score	.93
Exons	655..916		

Seq. No.	24678	Seq. ID	OJ990204_03.9819.C48
Gene No.	51268	Strand	-
Start	656	End	1000
Name	OJ990204_03.9819.C48.o1.gs	Method	GENSCAN
Start	656	End	1000
GI	none	Score	.8
Exons	656..814, 824..1000		

Seq. No.	24679	Seq. ID	OJ990204_03.9819.C49
Gene No.	51269	Strand	+
Start	611	End	1319
Name	OJ990204_03.9819.C49.o1.gs	Method	GENSCAN
Start	611	End	1319
GI	none	Score	.44
Exons	611..710, 827..971, 1142..1319		

Seq. No.	24679	Seq. ID	OJ990204_03.9819.C49
Gene No.	51270	Strand	-
Start	2557	End	2685
Name	OJ990204_03.9819.C49.o2.gs	Method	GENSCAN
Start	2557	End	2685
GI	none	Score	.51
Exons	2557..2685		

Seq. No.	24680	Seq. ID	OJ990204_03.9819.C51
Gene No.	51271	Strand	-
Start	1	End	1687
Name	OJ990204_03.9819.C51.o1.np	Method	AAT/NAP
Start	1	End	785
GI	3645899	Score	320
Exons	1..785		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	24680	Seq. ID	OJ990204_03.9819.C51
Gene No.	51271	Strand	-
Start	1	End	1687
Name	OJ990204_03.9819.C51.o1.tm	Method	TBLASTX:Maize
Start	82	End	361
GI	none	Score	70
Exons	82..357, 86..301, 332..361		

Seq. No.	24680	Seq. ID	OJ990204_03.9819.C51
Gene No.	51271	Strand	-
Start	1	End	1687
Name	OJ990204_03.9819.C51.o1.gs	Method	GENSCAN
Start	116	End	1687
GI	none	Score	.68
Exons	116..780, 1469..1687		

Seq. No.	24681	Seq. ID	OJ990204_03.9819.C52
Gene No.	51272	Strand	+
Start	622	End	2505
Name	OJ990204_03.9819.C52.o1.gs	Method	GENSCAN
Start	622	End	2505
GI	none	Score	.94
Exons	622..683, 1897..2505		

Seq. No.	24682	Seq. ID	OJ990204_03.9819.C53
Gene No.	51273	Strand	+
Start	361	End	2177
Name	OJ990204_03.9819.C53.o1.gs	Method	GENSCAN
Start	361	End	2177
GI	none	Score	.62
Exons	361..633, 1062..2177		

Seq. No.	24683	Seq. ID	OJ990204_03.9819.C54
Gene No.	51274	Strand	+
Start	1	End	1008
Name	OJ990204_03.9819.C54.o1.np	Method	AAT/NAP
Start	1	End	1008
GI	6498441	Score	226
Exons	1..21, 524..1008		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	24683	Seq. ID	OJ990204_03.9819.C54
Gene No.	51274	Strand	+
Start	1	End	1008
Name	OJ990204_03.9819.C54.o1.gs	Method	GENSCAN

Start	330	End	638
GI	none	Score	.43
Exons	330..638		

Seq. No.	24683	Seq. ID	OJ990204_03.9819.C54
Gene No.	51274	Strand	+
Start	1	End	1008
Name	OJ990204_03.9819.C54.o1.tm	Method	TBLASTX:Maize
Start	700	End	925
GI	none	Score	215
Exons	700..888, 701..919, 704..925		

Seq. No.	24683	Seq. ID	OJ990204_03.9819.C54
Gene No.	51274	Strand	+
Start	1	End	1008
Name	OJ990204_03.9819.C54.o1.tw	Method	TBLASTX:Wheat
Start	731	End	925
GI	none	Score	72
Exons	731..787, 736..777, 780..902, 782..925, 790..921, 791..925		

Seq. No.	24684	Seq. ID	OJ990204_03.9819.C55
Gene No.	51275	Strand	
Start	3	End	367
Name	OJ990204_03.9819.C55.o1.tm	Method	TBLASTX:Maize
Start	3	End	367
GI	none	Score	82
Exons	3..131, 5..76, 69..155, 76..156, 146..367, 148..366		

Seq. No.	24684	Seq. ID	OJ990204_03.9819.C55
Gene No.	51276	Strand	
Start	673	End	1074
Name	OJ990204_03.9819.C55.o1.ts	Method	TBLASTX:Soybean
Start	673	End	1074
GI	none	Score	130
Exons	673..810, 675..806, 831..1073, 832..1074		

Seq. No.	24684	Seq. ID	OJ990204_03.9819.C55
Gene No.	51276	Strand	
Start	673	End	1074
Name	OJ990204_03.9819.C55.o1.tw	Method	TBLASTX:Wheat
Start	705	End	987
GI	none	Score	88
Exons	705..806, 706..807, 847..987, 849..923		

Seq. No.	24685	Seq. ID	OJ990204_03.9819.C56
Gene No.	51277	Strand	-
Start	60	End	650
Name	OJ990204_03.9819.C56.o1.gs	Method	GENSCAN
Start	60	End	650
GI	none	Score	.78
Exons	60..396, 477..650		

Seq. No.	24686	Seq. ID	OJ990204_03.9819.C60
Gene No.	51278	Strand	+
Start	1	End	384
Name	OJ990204_03.9819.C60.o1.np	Method	AAT/NAP
Start	1	End	384

GI	3980405	Score	137
Exons	1..384		
GI Descrip.	(AC004561) putative tropinone reductase [Arabidopsis thaliana]		

Seq. No.	24686	Seq. ID	OJ990204_03.9819.C60
Gene No.	51278	Strand	+
Start	1	End	384
Name	OJ990204_03.9819.C60.o1.gp	Method	AAT/GAP
Start	129	End	193
GI	LIB3474-001-P1-K1-D7	Score	100
Exons	129..193		
GI Descrip.	'3980415 9.0e-31 (AC004561) putative tropinone reductase [Arabidopsis thaliana]'		

Seq. No.	24686	Seq. ID	OJ990204_03.9819.C60
Gene No.	51279	Strand	-
Start	158	End	352
Name	OJ990204_03.9819.C60.o1.ts	Method	TBLASTX:Soybean
Start	127	End	352
GI	none	Score	188
Exons	127..351, 134..352		

Seq. No.	24686	Seq. ID	OJ990204_03.9819.C60
Gene No.	51279	Strand	-
Start	158	End	352
Name	OJ990204_03.9819.C60.o1.tc	Method	TBLASTX:Cress
Start	134	End	352
GI	none	Score	186
Exons	134..352, 136..351		

Seq. No.	24686	Seq. ID	OJ990204_03.9819.C60
Gene No.	51279	Strand	-
Start	158	End	352
Name	OJ990204_03.9819.C60.o1.gs	Method	GENSCAN
Start	158	End	322
GI	none	Score	.77
Exons	158..322		

Seq. No.	24687	Seq. ID	OJ990714_07.9819.C1
Gene No.	51280	Strand	-
Start	1	End	818
Name	OJ990714_07.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	818
GI	5091513	Score	1151
Exons	1..818		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	24687	Seq. ID	OJ990714_07.9819.C1
Gene No.	51280	Strand	-
Start	1	End	818
Name	OJ990714_07.9819.C1.o1.gs	Method	GENSCAN
Start	37	End	737
GI	none	Score	.43
Exons	37..737		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51281	Strand	+

Start	13790	End	17205
Name	OJ990714_07.9819.C2.o4.np	Method	AAT/NAP
Start	13790	End	17205
GI	5803259	Score	4975
Exons	13790..15051, 15147..15319, 15404..15597, 15673..17205		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51282	Strand	+
Start	28555	End	35276
Name	OJ990714_07.9819.C2.o7.np	Method	AAT/NAP
Start	28555	End	31882
GI	4680186	Score	175
Exons	28555..28693, 30079..30149, 30217..30319, 30895..31033, 31852..31882		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51282	Strand	+
Start	28555	End	35276
Name	OJ990714_07.9819.C2.o9.gs	Method	GENSCAN
Start	31370	End	34665
GI	none	Score	.45
Exons	31370..31505, 31646..31734, 32827..32949, 33201..33278, 34107..34198, 34401..34451, 34491..34665		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51282	Strand	+
Start	28555	End	35276
Name	OJ990714_07.9819.C2.o8.np	Method	AAT/NAP
Start	32097	End	35276
GI	6069654	Score	194
Exons	32097..32570, 35238..35276		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51283	Strand	+
Start	36002	End	36082
Name	OJ990714_07.9819.C2.o5.gp	Method	AAT/GAP
Start	36002	End	36082
GI	LIB3434-017-P1-K1-F5	Score	91
Exons	36002..36082		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51284	Strand	+
Start	61310	End	61960
Name	OJ990714_07.9819.C2.o10.np	Method	AAT/NAP
Start	61310	End	61960
GI	3746060	Score	673
Exons	61310..61960		
GI Descrip.	(AC005311) unknown protein [Arabidopsis thaliana]		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51285	Strand	-
Start	106	End	4818

Name	OJ990714_07.9819.C2.o1.np	Method	AAT/NAP
Start	106	End	2874
GI	5091513	Score	2457
Exons	106..444, 1155..2874		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51285	Strand	-
Start	106	End	4818
Name	OJ990714_07.9819.C2.o1.gs	Method	GENSCAN
Start	1077	End	4116
GI	none	Score	.41
Exons	1077..2834, 2950..3036, 3232..3384, 3924..3984, 4052..4116		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51285	Strand	-
Start	106	End	4818
Name	OJ990714_07.9819.C2.o2.np	Method	AAT/NAP
Start	2712	End	4818
GI	4678270	Score	93
Exons	2712..2785, 4705..4818		
GI Descrip.	(AL049660) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51285	Strand	-
Start	106	End	4818
Name	OJ990714_07.9819.C2.o1.gp	Method	AAT/GAP
Start	2950	End	3249
GI	uC-osflcyp053g09b1	Score	502
Exons	2950..3249		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51286	Strand	-
Start	5855	End	7868
Name	OJ990714_07.9819.C2.o2.gs	Method	GENSCAN
Start	5855	End	7768
GI	none	Score	.81
Exons	5855..6020, 6466..6534, 6645..6997, 7099..7281, 7375..7529, 7624..7768		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51286	Strand	-
Start	5855	End	7868
Name	OJ990714_07.9819.C2.o3.np	Method	AAT/NAP
Start	6354	End	7762
GI	2960364	Score	868
Exons	6354..6534, 6645..6997, 7099..7284, 7375..7529, 7624..7762		
GI Descrip.	(AJ224986) cinnamoyl CoA reductase [Populus balsamifera subsp. trichocarpa]		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51286	Strand	-
Start	5855	End	7868
Name	OJ990714_07.9819.C2.o2.gp	Method	AAT/GAP
Start	7478	End	7868

GI	none	Score	454
Exons	7478..7529, 7624..7868		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51287	Strand	-
Start	11398	End	11496
Name	OJ990714_07.9819.C2.o3.gp	Method	AAT/GAP
Start	11398	End	11496
GI	LIB3477-003-P1-K1-E9	Score	101
Exons	11398..11496		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51288	Strand	-
Start	11824	End	12644
Name	OJ990714_07.9819.C2.o4.gs	Method	GENSCAN
Start	11824	End	12644
GI	none	Score	.47
Exons	11824..11913, 12132..12267, 12532..12644		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51289	Strand	-
Start	17216	End	17671
Name	OJ990714_07.9819.C2.o4.gp	Method	AAT/GAP
Start	17216	End	17671
GI	2428323	Score	824
Exons	17216..17671		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51290	Strand	-
Start	17829	End	23237
Name	OJ990714_07.9819.C2.o6.gs	Method	GENSCAN
Start	17829	End	19607
GI	none	Score	.96
Exons	17829..19607		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51290	Strand	-
Start	17829	End	23237
Name	OJ990714_07.9819.C2.o5.np	Method	AAT/NAP
Start	17832	End	23237
GI	6498441	Score	6365
Exons	17832..18113, 18207..19714, 19864..20449, 20624..20758, 20942..21315, 21379..21842, 22173..23237		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51291	Strand	-
Start	26992	End	29485
Name	OJ990714_07.9819.C2.o6.np	Method	AAT/NAP
Start	26988	End	29461

GI	4826399	Score	1009
Exons	26988..28245, 28348..28443, 28540..29461		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51291	Strand	-
Start	26992	End	29485
Name	OJ990714_07.9819.C2.o8.gs	Method	GENSCAN
Start	26992	End	29485
GI	none	Score	.87
Exons	26992..28145, 28276..28443, 28540..29485		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51292	Strand	-
Start	35352	End	41154
Name	OJ990714_07.9819.C2.o10.gs	Method	GENSCAN
Start	35352	End	41154
GI	none	Score	.67
Exons	35352..35781, 36520..36634, 37089..37199, 37748..37993, 38871..38955, 40705..40746, 40933..41154		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51293	Strand	-
Start	48996	End	50999
Name	OJ990714_07.9819.C2.o9.np	Method	AAT/NAP
Start	48996	End	50999
GI	99922	Score	261
Exons	48996..49078, 50450..50999		
GI Descrip.	hypothetical protein - soybean gi|930025|emb|CAA31883| (X13528) ORF (334 AA) [Glycine max]		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o10.tw	Method	TBLASTX:Wheat
Start	2326	End	7726
GI	none	Score	63
Exons	2326..2391, 2445..2576, 7375..7527, 7388..7423, 7628..7726, 7638..7724		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o8.tm	Method	TBLASTX:Maize
Start	4762	End	4959
GI	none	Score	169
Exons	4762..4866, 4764..4865, 4882..4959, 4884..4958		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	6381	End	7777
GI	none	Score	191
Exons	6381..6536, 6382..6537, 6639..6737, 6644..7015, 6813..6995, 7099..7281, 7100..7294, 7373..7429, 7375..7530, 7491..7526, 7625..7777, 7626..7733, 7639..7749		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	6390	End	7765
GI	none	Score	124
Exons	6390..6536, 6394..6537, 6644..7000, 7102..7284, 7103..7282, 7375..7527, 7388..7426, 7625..7765, 7626..7718, 7738..7749		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o9.tw	Method	TBLASTX:Wheat
Start	6405	End	32276
GI	none	Score	106
Exons	6405..6536, 6424..6537, 6644..6718, 6657..6719, 6722..6865, 32175..32276		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o3.tc	Method	TBLASTX:Cress
Start	7102	End	7721
GI	none	Score	124
Exons	7102..7284, 7103..7276, 7373..7423, 7375..7527, 7625..7720, 7626..7721		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o7.tw	Method	TBLASTX:Wheat
Start	17841	End	18443
GI	none	Score	81
Exons	17841..17966, 17845..17967, 18152..18442, 18159..18443, 18160..18303, 18340..18438, 18368..18439		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o5.tw	Method	TBLASTX:Wheat
Start	18444	End	18825
GI	none	Score	169
Exons	18444..18824, 18475..18723, 18483..18824, 18769..18825		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o5.tm	Method	TBLASTX:Maize
Start	18639	End	18962
GI	none	Score	204
Exons	18639..18962, 18652..18933		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o11.tw	Method	TBLASTX:Wheat

Start	19155	End	19476
GI	none	Score	77
Exons	19155..19415, 19291..19476		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o4.ts	Method	TBLASTX:Soybean
Start	20286	End	20658
GI	none	Score	90
Exons	20286..20342, 20332..20658, 20498..20641		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	20318	End	20737
GI	none	Score	302
Exons	20318..20737, 20332..20736		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o6.tm	Method	TBLASTX:Maize
Start	20410	End	20794
GI	none	Score	228
Exons	20410..20793, 20429..20794		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o4.tm	Method	TBLASTX:Maize
Start	20821	End	21177
GI	none	Score	128
Exons	20821..21126, 20821..21177, 20831..21142		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	20845	End	21308
GI	none	Score	228
Exons	20845..21306, 20851..21306, 20852..21307, 20865..21308		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o5.ts	Method	TBLASTX:Soybean
Start	20902	End	21267
GI	none	Score	117
Exons	20902..21036, 21043..21267		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o3.tw	Method	TBLASTX:Wheat
Start	21499	End	21958

GI	none	Score	167
Exons	21499..21957, 21503..21763, 21821..21958		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o6.tw	Method	TBLASTX:Wheat
Start	22696	End	23088
GI	none	Score	96
Exons	22696..22953, 22730..22969, 22936..23034, 22937..23029, 23041..23088		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o9.tm	Method	TBLASTX:Maize
Start	22798	End	23083
GI	none	Score	91
Exons	22798..23046, 22799..23083		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	27118	End	28111
GI	none	Score	298
Exons	27118..28080, 27128..27625, 27346..27834, 27722..27901, 27991..28110, 28043..28111		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	27145	End	29392
GI	none	Score	71
Exons	27145..28089, 27146..27274, 27259..27375, 27302..27625, 27397..27639, 27715..27837, 27725..27895, 27980..28114, 28544..28636, 28697..28813, 28850..28945, 29291..29392		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	27319	End	28095
GI	none	Score	189
Exons	27319..27888, 27374..27628, 27725..27850, 27856..28011, 28030..28095		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o8.tw	Method	TBLASTX:Wheat
Start	27379	End	27630
GI	none	Score	94
Exons	27379..27498, 27380..27493, 27499..27630, 27500..27628		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2

Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o4.tw	Method	TBLASTX:Wheat
Start	27631	End	27993
GI	none	Score	142
Exons	27631..27993, 27698..27898		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	42516	End	43647
GI	none	Score	169
Exons	42516..42665, 42523..42687, 42524..42697, 42524..42688, 42707..42781, 42708..42782, 42716..42784, 42785..42865, 42792..42842, 42837..42887, 42883..43002, 42896..42976, 42901..42978, 42981..43109, 42991..43107, 43117..43185, 43123..43185, 43127..43189, 43127..43189, 43367..43468, 43550..43645, 43552..43647		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51294	Strand	-
Start	53108	End	57081
Name	OJ990714_07.9819.C2.o12.gs	Method	GENSCAN
Start	53108	End	57081
GI	none	Score	.78
Exons	53108..53378, 53428..53561, 53593..53680, 57065..57081		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51295	Strand	
Start	61455	End	61854
Name	OJ990714_07.9819.C2.o7.tm	Method	TBLASTX:Maize
Start	61455	End	61716
GI	none	Score	333
Exons	61455..61613, 61462..61716, 61586..61663		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51295	Strand	
Start	61455	End	61854
Name	OJ990714_07.9819.C2.o3.ts	Method	TBLASTX:Soybean
Start	61455	End	61848
GI	none	Score	485
Exons	61455..61607, 61462..61848		

Seq. No.	24688	Seq. ID	OJ990714_07.9819.C2
Gene No.	51295	Strand	
Start	61455	End	61854
Name	OJ990714_07.9819.C2.o2.tc	Method	TBLASTX:Cress
Start	61458	End	61854
GI	none	Score	505
Exons	61458..61616, 61462..61854		

Seq. No.	24689	Seq. ID	OJ990714_07.9819.C4
Gene No.	51296	Strand	+
Start	232	End	529
Name	OJ990714_07.9819.C4.o1.gs	Method	GENSCAN
Start	232	End	529

GI	none	Score	.63
Exons	232..352, 415..529		

Seq. No.	24690	Seq. ID	OJ990414_04.9819.C1
Gene No.	51297	Strand	+
Start	556	End	1962
Name	OJ990414_04.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	555	End	1918
GI	none	Score	84
Exons	555..614, 557..613, 792..857, 792..851, 943..1050, 944..1045, 958..1050, 1156..1263, 1163..1279, 1164..1268, 1345..1434, 1346..1429, 1649..1723, 1733..1783, 1805..1918		

Seq. No.	24690	Seq. ID	OJ990414_04.9819.C1
Gene No.	51297	Strand	+
Start	556	End	1962
Name	OJ990414_04.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	555	End	1912
GI	none	Score	77
Exons	555..611, 557..625, 798..860, 940..1038, 943..1026, 944..1045, 974..1102, 1156..1263, 1162..1260, 1164..1268, 1338..1430, 1345..1434, 1346..1429, 1649..1714, 1685..1813, 1810..1902, 1811..1912		

Seq. No.	24690	Seq. ID	OJ990414_04.9819.C1
Gene No.	51297	Strand	+
Start	556	End	1962
Name	OJ990414_04.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	555	End	1962
GI	none	Score	93
Exons	555..611, 557..613, 557..616, 775..849, 791..850, 792..896, 792..851, 916..1038, 934..1038, 944..1045, 956..1057, 1156..1263, 1156..1260, 1157..1261, 1158..1277, 1339..1422, 1344..1427, 1345..1422, 1346..1429, 1616..1756, 1648..1962, 1649..1930		

Seq. No.	24690	Seq. ID	OJ990414_04.9819.C1
Gene No.	51297	Strand	+
Start	556	End	1962
Name	OJ990414_04.9819.C1.o1.np	Method	AAT/NAP
Start	556	End	1921
GI	2739044	Score	669
Exons	556..611, 792..851, 944..1039, 1159..1260, 1346..1426, 1652..1921		
GI Descrip.	(AF024651) polyphosphoinositide binding protein Sshlp [Glycine max]		

Seq. No.	24690	Seq. ID	OJ990414_04.9819.C1
Gene No.	51297	Strand	+
Start	556	End	1962
Name	OJ990414_04.9819.C1.o1.gs	Method	GENSCAN
Start	558	End	1945
GI	none	Score	.96
Exons	558..611, 792..851, 944..1039, 1346..1426, 1688..1945		

Seq. No.	24690	Seq. ID	OJ990414_04.9819.C1
Gene No.	51297	Strand	+

Start	556	End	1962
Name	OJ990414_04.9819.C1.o1.gp	Method	AAT/GAP
Start	936	End	1728
GI	LIB3434-026-P1-K1-E10	Score	638
Exons	936..1039, 1159..1260, 1346..1426, 1652..1728		
GI Descrip.	'2739044 1.0e-52 (AF024651) polyphosphoinositide binding protein Ssh1p [Glycine max]'		

Seq. No.	24690	Seq. ID	OJ990414_04.9819.C1
Gene No.	51297	Strand	+
Start	556	End	1962
Name	OJ990414_04.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	1676	End	1918
GI	none	Score	53
Exons	1676..1717, 1700..1807, 1814..1918, 1816..1899		

Seq. No.	24691	Seq. ID	OJ990414_04.9819.C3
Gene No.	51298	Strand	+
Start	600	End	722
Name	OJ990414_04.9819.C3.o1.gs	Method	GENSCAN
Start	600	End	722
GI	none	Score	.43
Exons	600..722		

Seq. No.	24691	Seq. ID	OJ990414_04.9819.C3
Gene No.	51299	Strand	-
Start	1369	End	4330
Name	OJ990414_04.9819.C3.o2.gs	Method	GENSCAN
Start	1369	End	4330
GI	none	Score	.89
Exons	1369..1806, 2132..2617, 3282..3359, 3694..3813, 4141..4330		

Seq. No.	24691	Seq. ID	OJ990414_04.9819.C3
Gene No.	51299	Strand	-
Start	1369	End	4330
Name	OJ990414_04.9819.C3.o1.gp	Method	AAT/GAP
Start	1661	End	2359
GI	none	Score	724
Exons	1661..1806, 2132..2359		

Seq. No.	24692	Seq. ID	OJ990414_04.9819.C4
Gene No.	51300	Strand	+
Start	1983	End	4097
Name	OJ990414_04.9819.C4.o1.gs	Method	GENSCAN
Start	1983	End	4097
GI	none	Score	.53
Exons	1983..2116, 3094..3192, 3266..3341, 4058..4097		

Seq. No.	24692	Seq. ID	OJ990414_04.9819.C4
Gene No.	51301	Strand	+
Start	6119	End	6308
Name	OJ990414_04.9819.C4.o2.gs	Method	GENSCAN
Start	6119	End	6308
GI	none	Score	.66
Exons	6119..6215, 6247..6308		

Seq. No.	24692	Seq. ID	OJ990414_04.9819.C4

Gene No.	51302	Strand	+
Start	7746	End	12890
Name	OJ990414_04.9819.C4.o1.gp	Method	AAT/GAP
Start	7071	End	7992
GI	41053_1.R1084	Score	896
Exons	7071..7174, 7574..7992		
GI Descrip.	'4432859/gb|AAD20707| 2.0e-21 (AC006300) unknown protein [Arabidopsis thaliana]'		

Seq. No.	24692	Seq. ID	OJ990414_04.9819.C4
Gene No.	51302	Strand	+
Start	7746	End	12890
Name	OJ990414_04.9819.C4.o3.gs	Method	GENSCAN
Start	7746	End	11523
GI	none	Score	.92
Exons	7746..7970, 8054..8239, 8763..9011, 9288..9398, 10937..10978, 11215..11523		

Seq. No.	24692	Seq. ID	OJ990414_04.9819.C4
Gene No.	51302	Strand	+
Start	7746	End	12890
Name	OJ990414_04.9819.C4.o2.gp	Method	AAT/GAP
Start	8836	End	9354
GI	4968837	Score	499
Exons	8836..9011, 9102..9173, 9288..9354		
GI Descrip.	4432859/gb|AAD20707| 2.0e-21 (AC006300) unknown protein [Arabidopsis thaliana]		

Seq. No.	24692	Seq. ID	OJ990414_04.9819.C4
Gene No.	51302	Strand	+
Start	7746	End	12890
Name	OJ990414_04.9819.C4.o1.np	Method	AAT/NAP
Start	8865	End	12890
GI	4432859	Score	337
Exons	8865..9011, 9102..9173, 9288..9398, 11215..11446, 12765..12890		
GI Descrip.	(AC006300) unknown protein [Arabidopsis thaliana]		

Seq. No.	24692	Seq. ID	OJ990414_04.9819.C4
Gene No.	51303	Strand	-
Start	11191	End	11882
Name	OJ990414_04.9819.C4.o3.gp	Method	AAT/GAP
Start	11191	End	11882
GI	none	Score	1240
Exons	11191..11882		

Seq. No.	24692	Seq. ID	OJ990414_04.9819.C4
Gene No.	51304	Strand	-
Start	11935	End	12890
Name	OJ990414_04.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	7731	End	8249
GI	none	Score	246
Exons	7731..8015, 7737..7970, 8036..8245, 8046..8231, 8054..8245, 8088..8249		

Seq. No.	24692	Seq. ID	OJ990414_04.9819.C4
Gene No.	51304	Strand	-
Start	11935	End	12890

Name	OJ990414_04.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	8368	End	11648
GI	none	Score	78
Exons	8368..8436, 8372..8434, 8374..8436, 8856..9011, 8859..9017, 9095..9175, 9102..9173, 9285..9362, 9285..9401, 9287..9397, 11212..11427, 11214..11282, 11227..11427, 11340..11435, 11433..11507, 11434..11508, 11539..11598, 11628..11648		

Seq. No.	24692	Seq. ID	OJ990414_04.9819.C4
Gene No.	51304	Strand	-
Start	11935	End	12890
Name	OJ990414_04.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	8934	End	9368
GI	none	Score	102
Exons	8934..9011, 8966..9028, 9092..9175, 9102..9173, 9285..9362, 9285..9368		

Seq. No.	24692	Seq. ID	OJ990414_04.9819.C4
Gene No.	51304	Strand	-
Start	11935	End	12890
Name	OJ990414_04.9819.C4.o4.gp	Method	AAT/GAP
Start	11935	End	12651
GI	59683_1.R1084	Score	1147
Exons	11935..12417, 12486..12651		
GI Descrip.	'2864610/emb|CAA16957| 4.0e-09 (AL021811) putative protein [Arabidopsis thaliana] >gi_4049336_emb_CAA22561.1_ (AL034567) putative protein [Arabidopsis thaliana]'		

Seq. No.	24692	Seq. ID	OJ990414_04.9819.C4
Gene No.	51304	Strand	-
Start	11935	End	12890
Name	OJ990414_04.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	12273	End	12770
GI	none	Score	66
Exons	12273..12332, 12281..12325, 12284..12334, 12378..12416, 12388..12417, 12486..12509, 12512..12769, 12536..12742, 12600..12770		

Seq. No.	24692	Seq. ID	OJ990414_04.9819.C4
Gene No.	51304	Strand	-
Start	11935	End	12890
Name	OJ990414_04.9819.C4.o4.gs	Method	GENSCAN
Start	12288	End	12880
GI	none	Score	.97
Exons	12288..12417, 12486..12880		

Seq. No.	24692	Seq. ID	OJ990414_04.9819.C4
Gene No.	51304	Strand	-
Start	11935	End	12890
Name	OJ990414_04.9819.C4.o2.np	Method	AAT/NAP
Start	12294	End	12890
GI	2894603	Score	305
Exons	12294..12417, 12486..12890		
GI Descrip.	(AL021889) putative protein [Arabidopsis thaliana]		

Seq. No.	24692	Seq. ID	OJ990414_04.9819.C4
Gene No.	51304	Strand	-

Start	11935	End	12890
Name	OJ990414_04.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	12378	End	12742
GI	none	Score	113
Exons	12378..12413, 12518..12727, 12536..12742		

Seq. No.	24692	Seq. ID	OJ990414_04.9819.C4
Gene No.	51304	Strand	-
Start	11935	End	12890
Name	OJ990414_04.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	12381	End	12790
GI	none	Score	110
Exons	12381..12416, 12518..12790, 12600..12773		

Seq. No.	24693	Seq. ID	OJ990414_04.9819.C5
Gene No.	51305	Strand	+
Start	3413	End	5057
Name	OJ990414_04.9819.C5.o1.np	Method	AAT/NAP
Start	3413	End	5057
GI	2828285	Score	76
Exons	3413..3511, 4882..5057		
GI Descrip.	(AL021687) putative protein [Arabidopsis thaliana]		

Seq. No.	24693	Seq. ID	OJ990414_04.9819.C5
Gene No.	51306	Strand	-
Start	4779	End	7053
Name	OJ990414_04.9819.C5.o2.gs	Method	GENSCAN
Start	4779	End	7053
GI	none	Score	.55
Exons	4779..5084, 6077..6184, 6465..6636, 6683..6849, 6887..7053		

Seq. No.	24694	Seq. ID	OJ990414_04.9819.C6
Gene No.	51307	Strand	-
Start	2167	End	2245
Name	OJ990414_04.9819.C6.o1.gs	Method	GENSCAN
Start	2167	End	2245
GI	none	Score	.92
Exons	2167..2245		

Seq. No.	24695	Seq. ID	OJ990414_04.9819.C8
Gene No.	51308	Strand	+
Start	202	End	2213
Name	OJ990414_04.9819.C8.o1.gs	Method	GENSCAN
Start	202	End	2213
GI	none	Score	.48
Exons	202..693, 791..828, 1997..2137, 2181..2213		

Seq. No.	24695	Seq. ID	OJ990414_04.9819.C8
Gene No.	51309	Strand	+
Start	4715	End	5344
Name	OJ990414_04.9819.C8.o1.gp	Method	AAT/GAP
Start	4715	End	5344
GI	none	Score	836
Exons	4715..4919, 5001..5104, 5182..5344		

Seq. No.	24695	Seq. ID	OJ990414_04.9819.C8
Gene No.	51310	Strand	+

Start	6242	End	6769
Name	OJ990414_04.9819.C8.o2.gp	Method	AAT/GAP
Start	6242	End	6769
GI	none	Score	778
Exons	6242..6656, 6747..6769		

Seq. No.	24695	Seq. ID	OJ990414_04.9819.C8
Gene No.	51311	Strand	+
Start	6771	End	7743
Name	OJ990414_04.9819.C8.o3.gp	Method	AAT/GAP
Start	6771	End	7743
GI	none	Score	814
Exons	6771..6824, 7368..7743		

Seq. No.	24695	Seq. ID	OJ990414_04.9819.C8
Gene No.	51312	Strand	-
Start	4291	End	5170
Name	OJ990414_04.9819.C8.o2.gs	Method	GENSCAN
Start	4291	End	5170
GI	none	Score	.53
Exons	4291..4401, 5051..5170		

Seq. No.	24695	Seq. ID	OJ990414_04.9819.C8
Gene No.	51313	Strand	-
Start	7961	End	8495
Name	OJ990414_04.9819.C8.o3.gs	Method	GENSCAN
Start	7961	End	8495
GI	none	Score	.83
Exons	7961..8184, 8417..8495		

Seq. No.	24696	Seq. ID	OJ990414_04.9819.C9
Gene No.	51314	Strand	+
Start	981	End	7708
Name	OJ990414_04.9819.C9.o1.gs	Method	GENSCAN
Start	981	End	7708
GI	none	Score	.46
Exons	981..1035, 1193..1248, 4377..5326, 5393..6091, 6106..6974, 7118..7217, 7240..7563, 7636..7708		

Seq. No.	24696	Seq. ID	OJ990414_04.9819.C9
Gene No.	51314	Strand	+
Start	981	End	7708
Name	OJ990414_04.9819.C9.o1.np	Method	AAT/NAP
Start	4390	End	7687
GI	4680203	Score	3284
Exons	4390..6050, 6203..6433, 6710..7687		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	24696	Seq. ID	OJ990414_04.9819.C9
Gene No.	51314	Strand	+
Start	981	End	7708
Name	OJ990414_04.9819.C9.o4.tw	Method	TBLASTX:Wheat
Start	4683	End	5079
GI	none	Score	93
Exons	4683..4817, 4826..5068, 4827..5069, 4837..5079		

Seq. No.	24696	Seq. ID	OJ990414_04.9819.C9

Gene No.	51314	Strand	+
Start	981	End	7708
Name	OJ990414_04.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	5000	End	5429
GI	none	Score	97
Exons	5000..5083, 5001..5075, 5076..5138, 5133..5429, 5165..5416		

Seq. No.	24696	Seq. ID	OJ990414_04.9819.C9
Gene No.	51314	Strand	+
Start	981	End	7708
Name	OJ990414_04.9819.C9.o2.tc	Method	TBLASTX:Cress
Start	5162	End	5510
GI	none	Score	307
Exons	5162..5314, 5169..5510, 5363..5506		

Seq. No.	24696	Seq. ID	OJ990414_04.9819.C9
Gene No.	51314	Strand	+
Start	981	End	7708
Name	OJ990414_04.9819.C9.o2.tw	Method	TBLASTX:Wheat
Start	5298	End	5767
GI	none	Score	64
Exons	5298..5354, 5306..5350, 5351..5452, 5352..5456, 5460..5558, 5465..5557, 5468..5560, 5538..5762, 5559..5762, 5561..5767, 5663..5767		

Seq. No.	24696	Seq. ID	OJ990414_04.9819.C9
Gene No.	51314	Strand	+
Start	981	End	7708
Name	OJ990414_04.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	5345	End	5801
GI	none	Score	251
Exons	5345..5596, 5355..5597, 5607..5801		

Seq. No.	24696	Seq. ID	OJ990414_04.9819.C9
Gene No.	51314	Strand	+
Start	981	End	7708
Name	OJ990414_04.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	5631	End	5873
GI	none	Score	213
Exons	5631..5873		

Seq. No.	24696	Seq. ID	OJ990414_04.9819.C9
Gene No.	51314	Strand	+
Start	981	End	7708
Name	OJ990414_04.9819.C9.o3.tw	Method	TBLASTX:Wheat
Start	5906	End	6310
GI	none	Score	87
Exons	5906..5956, 5907..5969, 5955..6107, 5970..6086, 6088..6156, 6089..6196, 6224..6304, 6229..6309, 6230..6310		

Seq. No.	24696	Seq. ID	OJ990414_04.9819.C9
Gene No.	51314	Strand	+
Start	981	End	7708
Name	OJ990414_04.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	6311	End	7627
GI	none	Score	875
Exons	6311..6496, 6316..7218, 6317..7234, 7229..7273, 7232..7273,		

7276..7311, 7280..7339, 7346..7447, 7349..7465, 7387..7467,
7471..7524, 7472..7552, 7541..7627, 7567..7623

Seq. No.	24696	Seq. ID	OJ990414_04.9819.C9
Gene No.	51314	Strand	+
Start	981	End	7708
Name	OJ990414_04.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	6359	End	6673
GI	none	Score	313
Exons	6359..6673, 6370..6645		

Seq. No.	24696	Seq. ID	OJ990414_04.9819.C9
Gene No.	51314	Strand	+
Start	981	End	7708
Name	OJ990414_04.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	6604	End	7051
GI	none	Score	136
Exons	6604..6939, 6604..7047, 6608..7051, 6902..7051		

Seq. No.	24697	Seq. ID	OJ990414_04.9819.C10
Gene No.	51315	Strand	+
Start	1331	End	1690
Name	OJ990414_04.9819.C10.o2.gs	Method	GENSCAN
Start	1331	End	1690
GI	none	Score	.43
Exons	1331..1690		

Seq. No.	24697	Seq. ID	OJ990414_04.9819.C10
Gene No.	51316	Strand	-
Start	98	End	491
Name	OJ990414_04.9819.C10.o1.gs	Method	GENSCAN
Start	98	End	491
GI	none	Score	.87
Exons	98..306, 404..491		

Seq. No.	24697	Seq. ID	OJ990414_04.9819.C10
Gene No.	51317	Strand	-
Start	900	End	1029
Name	OJ990414_04.9819.C10.o1.gp	Method	AAT/GAP
Start	900	End	1029
GI	3760640	Score	75
Exons	900..921, 976..1029		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	24698	Seq. ID	OJ990414_04.9819.C11
Gene No.	51318	Strand	+
Start	1	End	1574
Name	OJ990414_04.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	1574
GI	4680204	Score	406
Exons	1..617, 1523..1574		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	24698	Seq. ID	OJ990414_04.9819.C11
Gene No.	51318	Strand	+
Start	1	End	1574

Name	OJ990414_04.9819.C11.o1.gs	Method	GENSCAN
Start	136	End	702
GI	none	Score	.78
Exons	136..396, 484..702		

Seq. No.	24698	Seq. ID	OJ990414_04.9819.C11
Gene No.	51318	Strand	+
Start	1	End	1574
Name	OJ990414_04.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	189	End	549
GI	none	Score	159
Exons	189..338, 190..357, 460..513, 517..549		

Seq. No.	24699	Seq. ID	OJ990414_04.9819.C12
Gene No.	51319	Strand	+
Start	1069	End	4763
Name	OJ990414_04.9819.C12.o1.gs	Method	GENSCAN
Start	1069	End	4763
GI	none	Score	.7
Exons	1069..1117, 2207..2475, 2546..2778, 3004..3651, 3740..3913, 4011..4101, 4386..4484, 4584..4763		

Seq. No.	24699	Seq. ID	OJ990414_04.9819.C12
Gene No.	51320	Strand	+
Start	4946	End	5045
Name	OJ990414_04.9819.C12.o1.gp	Method	AAT/GAP
Start	4946	End	5045
GI	LIB3477-003-P1-K1-E9	Score	150
Exons	4946..5045		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	24699	Seq. ID	OJ990414_04.9819.C12
Gene No.	51321	Strand	+
Start	10790	End	16160
Name	OJ990414_04.9819.C12.o2.gp	Method	AAT/GAP
Start	10683	End	12315
GI	2309840	Score	693
Exons	10683..10957, 12072..12134, 12255..12315		
GI Descrip.	2632254/emb|CAA73068| 1.0e-17 (Y12465) serine/threonine kinase [Sorghum bicolor]		

Seq. No.	24699	Seq. ID	OJ990414_04.9819.C12
Gene No.	51321	Strand	+
Start	10790	End	16160
Name	OJ990414_04.9819.C12.o3.gs	Method	GENSCAN
Start	10790	End	16160
GI	none	Score	.86
Exons	10790..10957, 12255..12326, 12585..12692, 12786..12860, 12906..12998, 13498..13623, 13751..13760, 13794..13840, 14194..14316, 14402..14521, 15306..15422, 15506..15562, 15666..15740, 16062..16160		

Seq. No.	24699	Seq. ID	OJ990414_04.9819.C12
Gene No.	51321	Strand	+
Start	10790	End	16160

Name	OJ990414_04.9819.C12.o1.np	Method	AAT/NAP
Start	10799	End	16048
GI	5051782	Score	1075
Exons	10799..10957, 12072..12134, 12255..12326, 12585..12692, 12786..12860, 12945..12998, 13498..13623, 13751..13840, 14194..14316, 14405..14521, 15306..15422, 15506..15562, 15666..15740, 15950..16048		
GI Descrip.	(AL078637) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	24699	Seq. ID	OJ990414_04.9819.C12
Gene No.	51321	Strand	+
Start	10790	End	16160
Name	OJ990414_04.9819.C12.o3.gp	Method	AAT/GAP
Start	12646	End	15566
GI	17868_1.R1084	Score	1405
Exons	12646..12692, 12786..12860, 12945..12998, 13498..13623, 13751..13840, 14194..14316, 14402..14521, 15306..15422, 15506..15566		
GI Descrip.	'2632254/emb|CAA73068| 1.0e-17 (Y12465) serine/threonine kinase [Sorghum bicolor]'		

Seq. No.	24699	Seq. ID	OJ990414_04.9819.C12
Gene No.	51322	Strand	-
Start	5554	End	8785
Name	OJ990414_04.9819.C12.o2.gs	Method	GENSCAN
Start	5554	End	8785
GI	none	Score	.93
Exons	5554..5658, 5742..5774, 8753..8785		

Seq. No.	24699	Seq. ID	OJ990414_04.9819.C12
Gene No.	51323	Strand	-
Start	16059	End	16538
Name	OJ990414_04.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	10792	End	10962
GI	none	Score	251
Exons	10792..10962, 10793..10960		

Seq. No.	24699	Seq. ID	OJ990414_04.9819.C12
Gene No.	51323	Strand	-
Start	16059	End	16538
Name	OJ990414_04.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	10804	End	13605
GI	none	Score	186
Exons	10804..10938, 10805..10960, 12068..12136, 12069..12137, 12254..12328, 12255..12329, 12594..12692, 12605..12688, 12785..12880, 12786..12863, 12951..13001, 12951..12998, 13497..13577, 13498..13605		

Seq. No.	24699	Seq. ID	OJ990414_04.9819.C12
Gene No.	51323	Strand	-
Start	16059	End	16538
Name	OJ990414_04.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	10805	End	14521
GI	none	Score	186
Exons	10805..10960, 10810..10926, 12068..12136, 12069..12137, 12255..12329, 12269..12328, 12590..12691, 12594..12692,		

12782..12871, 12786..12863, 12951..13001, 13492..13623,
13498..13647, 13748..13840, 14194..14316, 14444..14521

Seq. No.	24699	Seq. ID	OJ990414_04.9819.C12
Gene No.	51323	Strand	-
Start	16059	End	16538
Name	OJ990414_04.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	12051	End	14500
GI	none	Score	108
Exons	12051..12137, 12069..12137, 12071..12139, 12233..12328, 12254..12328, 12255..12332, 12587..12691, 12588..12692, 12590..12703, 12782..12847, 12784..12846, 12786..12857, 12906..13001, 12942..13001, 12946..13005, 13492..13626, 13493..13627, 13496..13624, 13498..13647, 13742..13840, 13747..13839, 13747..13848, 13748..13840, 14194..14316, 14194..14316, 14195..14317, 14396..14500, 14401..14499		

Seq. No.	24699	Seq. ID	OJ990414_04.9819.C12
Gene No.	51323	Strand	-
Start	16059	End	16538
Name	OJ990414_04.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	15303	End	16068
GI	none	Score	177
Exons	15303..15422, 15305..15424, 15306..15425, 15504..15563, 15505..15564, 15507..15581, 15508..15582, 15663..15740, 15664..15741, 15665..15745, 15665..15739, 15920..16048, 15948..16046, 15949..16068, 15949..16047, 15980..16057		

Seq. No.	24699	Seq. ID	OJ990414_04.9819.C12
Gene No.	51323	Strand	-
Start	16059	End	16538
Name	OJ990414_04.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	15306	End	16024
GI	none	Score	165
Exons	15306..15425, 15311..15427, 15321..15443, 15503..15586, 15514..15579, 15663..15740, 15665..15739, 15947..16024		

Seq. No.	24699	Seq. ID	OJ990414_04.9819.C12
Gene No.	51323	Strand	-
Start	16059	End	16538
Name	OJ990414_04.9819.C12.o4.gp	Method	AAT/GAP
Start	16059	End	16538
GI	none	Score	879
Exons	16059..16538		

Seq. No.	24700	Seq. ID	OJ990414_04.9819.C13
Gene No.	51324	Strand	+
Start	1505	End	2197
Name	OJ990414_04.9819.C13.o1.gp	Method	AAT/GAP
Start	1505	End	2197
GI	15630_1.R1084	Score	1235
Exons	1505..2197		
GI Descrip.	'4432860/gb|AAD20708| 9.0e-28 (AC006300) putative glucose-induced repressor protein [Arabidopsis thaliana]'		

Seq. No.	24701	Seq. ID	OJ990414_04.9819.C14
Gene No.	51325	Strand	+

Start	699	End	834
Name	OJ990414_04.9819.C14.o1.gs	Method	GENSCAN
Start	699	End	834
GI	none	Score	.93
Exons	699..834		

Seq. No.	24702	Seq. ID	OJ990414_04.9819.C17
Gene No.	51326	Strand	+
Start	1	End	723
Name	OJ990414_04.9819.C17.o1.np	Method	AAT/NAP
Start	1	End	723
GI	5902445	Score	686
Exons	1..723		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	24702	Seq. ID	OJ990414_04.9819.C17
Gene No.	51326	Strand	+
Start	1	End	723
Name	OJ990414_04.9819.C17.o2.tw	Method	TBLASTX:Wheat
Start	3	End	178
GI	none	Score	184
Exons	3..176, 5..178		

Seq. No.	24702	Seq. ID	OJ990414_04.9819.C17
Gene No.	51326	Strand	+
Start	1	End	723
Name	OJ990414_04.9819.C17.o1.gs	Method	GENSCAN
Start	93	End	543
GI	none	Score	.47
Exons	93..543		

Seq. No.	24702	Seq. ID	OJ990414_04.9819.C17
Gene No.	51326	Strand	+
Start	1	End	723
Name	OJ990414_04.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	122	End	506
GI	none	Score	363
Exons	122..487, 123..506		

Seq. No.	24702	Seq. ID	OJ990414_04.9819.C17
Gene No.	51326	Strand	+
Start	1	End	723
Name	OJ990414_04.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	179	End	599
GI	none	Score	491
Exons	179..595, 180..599		

Seq. No.	24702	Seq. ID	OJ990414_04.9819.C17
Gene No.	51326	Strand	+
Start	1	End	723
Name	OJ990414_04.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	258	End	629
GI	none	Score	279
Exons	258..629, 275..418		

Seq. No.	24703	Seq. ID	OJ990414_04.9819.C18
Gene No.	51327	Strand	+

Start	258	End	814
Name	OJ990414_04.9819.C18.o1.gs	Method	GENSCAN
Start	258	End	814
GI	none	Score	.92
Exons	258..814		

Seq. No.	24703	Seq. ID	OJ990414_04.9819.C18
Gene No.	51328	Strand	-
Start	1343	End	2956
Name	OJ990414_04.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	231	End	452
GI	none	Score	38
Exons	231..284, 242..283, 312..452, 320..451		

Seq. No.	24703	Seq. ID	OJ990414_04.9819.C18
Gene No.	51328	Strand	-
Start	1343	End	2956
Name	OJ990414_04.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	323	End	2758
GI	none	Score	269
Exons	323..727, 324..737, 2543..2758, 2544..2708		

Seq. No.	24703	Seq. ID	OJ990414_04.9819.C18
Gene No.	51328	Strand	-
Start	1343	End	2956
Name	OJ990414_04.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	524	End	2758
GI	none	Score	167
Exons	524..727, 525..740, 2543..2758, 2544..2708		

Seq. No.	24703	Seq. ID	OJ990414_04.9819.C18
Gene No.	51328	Strand	-
Start	1343	End	2956
Name	OJ990414_04.9819.C18.o2.gs	Method	GENSCAN
Start	1343	End	2938
GI	none	Score	.89
Exons	1343..1516, 2546..2938		

Seq. No.	24703	Seq. ID	OJ990414_04.9819.C18
Gene No.	51328	Strand	-
Start	1343	End	2956
Name	OJ990414_04.9819.C18.o1.gp	Method	AAT/GAP
Start	2769	End	2956
GI	none	Score	316
Exons	2769..2956		

Seq. No.	24704	Seq. ID	OJ990414_04.9819.C19
Gene No.	51329	Strand	+
Start	2834	End	2962
Name	OJ990414_04.9819.C19.o1.gs	Method	GENSCAN
Start	2834	End	2962
GI	none	Score	.72
Exons	2834..2962		

Seq. No.	24705	Seq. ID	OJ990414_04.9819.C20
Gene No.	51330	Strand	-
Start	1184	End	3790

Name	OJ990414_04.9819.C20.o1.gp	Method	AAT/GAP
Start	1184	End	2537
GI	none	Score	608
Exons	1184..1373, 2394..2537		

Seq. No.	24705	Seq. ID	OJ990414_04.9819.C20
Gene No.	51330	Strand	-
Start	1184	End	3790
Name	OJ990414_04.9819.C20.o1.gs	Method	GENSCAN
Start	2154	End	3790
GI	none	Score	.99
Exons	2154..2165, 2394..3433, 3613..3790		

Seq. No.	24705	Seq. ID	OJ990414_04.9819.C20
Gene No.	51330	Strand	-
Start	1184	End	3790
Name	OJ990414_04.9819.C20.o1.np	Method	AAT/NAP
Start	2391	End	3422
GI	2739385	Score	1176
Exons	2391..3422		
GI Descrip.	(AC002505) putative beta-1,3-glucanase [Arabidopsis thaliana]		

Seq. No.	24705	Seq. ID	OJ990414_04.9819.C20
Gene No.	51330	Strand	-
Start	1184	End	3790
Name	OJ990414_04.9819.C20.o2.tw	Method	TBLASTX:Wheat
Start	2400	End	2639
GI	none	Score	65
Exons	2400..2639, 2461..2583		

Seq. No.	24705	Seq. ID	OJ990414_04.9819.C20
Gene No.	51330	Strand	-
Start	1184	End	3790
Name	OJ990414_04.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	2427	End	3398
GI	none	Score	66
Exons	2427..2582, 2467..2583, 2595..2933, 2943..3044, 3045..3398		

Seq. No.	24705	Seq. ID	OJ990414_04.9819.C20
Gene No.	51330	Strand	-
Start	1184	End	3790
Name	OJ990414_04.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	2427	End	3401
GI	none	Score	295
Exons	2427..3203, 2428..3174, 3048..3188, 3222..3401		

Seq. No.	24705	Seq. ID	OJ990414_04.9819.C20
Gene No.	51330	Strand	-
Start	1184	End	3790
Name	OJ990414_04.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	2603	End	3131
GI	none	Score	358
Exons	2603..2707, 2614..3045, 2627..3049, 2628..3050, 2629..3057, 3024..3131, 3024..3131		

Seq. No.	24705	Seq. ID	OJ990414_04.9819.C20
Gene No.	51330	Strand	-

Start	1184	End	3790
Name	OJ990414_04.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	2992	End	3398
GI	none	Score	89
Exons	2992..3174, 3000..3398, 3048..3392		

Seq. No.	24705	Seq. ID	OJ990414_04.9819.C20
Gene No.	51330	Strand	-
Start	1184	End	3790
Name	OJ990414_04.9819.C20.o2.tm	Method	TBLASTX:Maize
Start	3219	End	3422
GI	none	Score	111
Exons	3219..3416, 3219..3422		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51331	Strand	+
Start	259	End	12839
Name	OJ990414_04.9819.C21.o1.gs	Method	GENSCAN
Start	259	End	9110
GI	none	Score	.53
Exons	259..394, 978..1039, 2831..2869, 3775..3933, 5618..5694, 5876..5948, 6048..6141, 6401..6609, 6639..9110		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51331	Strand	+
Start	259	End	12839
Name	OJ990414_04.9819.C21.o1.np	Method	AAT/NAP
Start	7189	End	12836
GI	6498441	Score	6992
Exons	7189..8253, 8584..9047, 9111..9484, 9668..9802, 9977..10403, 10596..10892, 11064..12461, 12555..12836		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51331	Strand	+
Start	259	End	12839
Name	OJ990414_04.9819.C21.o2.gs	Method	GENSCAN
Start	9174	End	12839
GI	none	Score	.99
Exons	9174..12839		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51332	Strand	+
Start	12998	End	13462
Name	OJ990414_04.9819.C21.o2.gp	Method	AAT/GAP
Start	12998	End	13462
GI	2428323	Score	679
Exons	12998..13462		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51333	Strand	-
Start	13470	End	16761
Name	OJ990414_04.9819.C21.o3.gs	Method	GENSCAN

Start	13470	End	16761
GI	none	Score	.62
Exons	13470..15405, 15500..16761		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51333	Strand	-
Start	13470	End	16761
Name	OJ990414_04.9819.C21.o2.np	Method	AAT/NAP
Start	13473	End	16761
GI	6907089	Score	5103
Exons	13473..15405, 15500..16761		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51334	Strand	-
Start	17467	End	18354
Name	OJ990414_04.9819.C21.o6.tw	Method	TBLASTX:Wheat
Start	7178	End	7730
GI	none	Score	34
Exons	7178..7213, 7338..7385, 7392..7490, 7397..7489, 7457..7696, 7473..7730		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51334	Strand	-
Start	17467	End	18354
Name	OJ990414_04.9819.C21.o4.tm	Method	TBLASTX:Maize
Start	7343	End	7628
GI	none	Score	195
Exons	7343..7627, 7380..7628		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51334	Strand	-
Start	17467	End	18354
Name	OJ990414_04.9819.C21.o5.tw	Method	TBLASTX:Wheat
Start	7738	End	11198
GI	none	Score	238
Exons	7738..7791, 10740..10994, 10764..11015, 10829..11014, 11049..11198, 11058..11195, 11060..11197		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51334	Strand	-
Start	17467	End	18354
Name	OJ990414_04.9819.C21.o3.tw	Method	TBLASTX:Wheat
Start	8468	End	8954
GI	none	Score	399
Exons	8468..8641, 8469..8954, 8663..8923		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51334	Strand	-
Start	17467	End	18354
Name	OJ990414_04.9819.C21.o1.tw	Method	TBLASTX:Wheat
Start	9119	End	9581
GI	none	Score	571
Exons	9119..9574, 9120..9581, 9120..9575		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51334	Strand	-

Start	17467	End	18354
Name	OJ990414_04.9819.C21.o2.ts	Method	TBLASTX:Soybean
Start	9159	End	9524
GI	none	Score	125
Exons	9159..9383, 9390..9524		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51334	Strand	-
Start	17467	End	18354
Name	OJ990414_04.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	9249	End	9605
GI	none	Score	384
Exons	9249..9605, 9284..9595, 9300..9605		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51334	Strand	-
Start	17467	End	18354
Name	OJ990414_04.9819.C21.o2.tm	Method	TBLASTX:Maize
Start	9632	End	10016
GI	none	Score	363
Exons	9632..9997, 9633..10016		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51334	Strand	-
Start	17467	End	18354
Name	OJ990414_04.9819.C21.o2.tw	Method	TBLASTX:Wheat
Start	9689	End	10109
GI	none	Score	491
Exons	9689..10102, 9690..10109		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51334	Strand	-
Start	17467	End	18354
Name	OJ990414_04.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	9768	End	10139
GI	none	Score	279
Exons	9768..10139, 9785..9928		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51334	Strand	-
Start	17467	End	18354
Name	OJ990414_04.9819.C21.o3.ts	Method	TBLASTX:Soybean
Start	10887	End	11453
GI	5666795	Score	63
Exons	10887..10985, 11061..11198, 11253..11453		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51334	Strand	-
Start	17467	End	18354
Name	OJ990414_04.9819.C21.o8.tw	Method	TBLASTX:Wheat
Start	11201	End	11513
GI	none	Score	189
Exons	11201..11377, 11253..11513		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51334	Strand	-

Start	17467	End	18354
Name	OJ990414_04.9819.C21.o3.tm	Method	TBLASTX:Maize
Start	11706	End	12038
GI	none	Score	361
Exons	11706..12029, 11735..12016, 11826..12038		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51334	Strand	-
Start	17467	End	18354
Name	OJ990414_04.9819.C21.o4.tw	Method	TBLASTX:Wheat
Start	11843	End	12224
GI	none	Score	372
Exons	11843..11911, 11844..12224, 11847..12185, 11945..12193		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51334	Strand	-
Start	17467	End	18354
Name	OJ990414_04.9819.C21.o7.tw	Method	TBLASTX:Wheat
Start	12225	End	12827
GI	none	Score	260
Exons	12225..12509, 12227..12535, 12230..12508, 12701..12823, 12702..12827		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51334	Strand	-
Start	17467	End	18354
Name	OJ990414_04.9819.C21.o5.tm	Method	TBLASTX:Maize
Start	12696	End	12842
GI	none	Score	185
Exons	12696..12842, 12701..12835		

Seq. No.	24706	Seq. ID	OJ990414_04.9819.C21
Gene No.	51334	Strand	-
Start	17467	End	18354
Name	OJ990414_04.9819.C21.o3.np	Method	AAT/NAP
Start	17467	End	18354
GI	5922623	Score	198
Exons	17467..17542, 17710..17864, 18270..18354		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	24707	Seq. ID	OJ990414_04.9819.C22
Gene No.	51335	Strand	-
Start	313	End	608
Name	OJ990414_04.9819.C22.o1.gs	Method	GENSCAN
Start	313	End	608
GI	none	Score	.66
Exons	313..421, 477..608		

Seq. No.	24708	Seq. ID	OJ990414_04.9819.C24
Gene No.	51336	Strand	-
Start	1	End	787
Name	OJ990414_04.9819.C24.o1.np	Method	AAT/NAP
Start	1	End	787
GI	4680203	Score	917
Exons	1..787		

GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No.	24708	Seq. ID	OJ990414_04.9819.C24
Gene No.	51336	Strand	-
Start	1	End	787
Name	OJ990414_04.9819.C24.o1.tm	Method	TBLASTX:Maize
Start	93	End	545
GI	none	Score	119
Exons	93..281, 292..543, 300..545, 306..533		

Seq. No.	24708	Seq. ID	OJ990414_04.9819.C24
Gene No.	51336	Strand	-
Start	1	End	787
Name	OJ990414_04.9819.C24.o1.tw	Method	TBLASTX:Wheat
Start	121	End	590
GI	none	Score	169
Exons	121..327, 121..225, 126..350, 328..420, 330..428, 331..423, 414..536, 432..536, 436..537, 534..590, 538..582		

Seq. No.	24708	Seq. ID	OJ990414_04.9819.C24
Gene No.	51336	Strand	-
Start	1	End	787
Name	OJ990414_04.9819.C24.o1.tc	Method	TBLASTX:Cress
Start	378	End	705
GI	none	Score	86
Exons	378..704, 382..525, 574..705		

Seq. No.	24708	Seq. ID	OJ990414_04.9819.C24
Gene No.	51336	Strand	-
Start	1	End	787
Name	OJ990414_04.9819.C24.o1.ts	Method	TBLASTX:Soybean
Start	459	End	720
GI	none	Score	117
Exons	459..707, 472..720		

Seq. No.	24709	Seq. ID	OJ990414_04.9819.C25
Gene No.	51337	Strand	-
Start	567	End	633
Name	OJ990414_04.9819.C25.o1.gp	Method	AAT/GAP
Start	567	End	633
GI	2309840	Score	83
Exons	567..633		

GI Descrip. 2632254/emb|CAA73068| 1.0e-17 (Y12465) serine/threonine kinase [Sorghum bicolor]

Seq. No.	24710	Seq. ID	OJ990524_11.9921.C3
Gene No.	51338	Strand	-
Start	84	End	428
Name	OJ990524_11.9921.C3.o1.gp	Method	AAT/GAP
Start	84	End	428
GI	24769_1.R1084	Score	653
Exons	84..428		

GI Descrip. '4960156/gb|AAD34616.1|AF153284_1 5.0e-25 (AF153284) putative progesterone-binding protein homolog [Arabidopsis thaliana]'

Seq. No.	24711	Seq. ID	OJ990524_11.9921.C4
Gene No.	51339	Strand	

Start	208	End	1064
Name	OJ990524_11.9921.C4.o2.tw	Method	TBLASTX:Wheat
Start	208	End	410
GI	none	Score	74
Exons	208..306, 234..410		

Seq. No.	24711	Seq. ID	OJ990524_11.9921.C4
Gene No.	51339	Strand	
Start	208	End	1064
Name	OJ990524_11.9921.C4.o2.tm	Method	TBLASTX:Maize
Start	234	End	578
GI	none	Score	40
Exons	234..266, 238..264, 270..578, 274..573		

Seq. No.	24711	Seq. ID	OJ990524_11.9921.C4
Gene No.	51339	Strand	
Start	208	End	1064
Name	OJ990524_11.9921.C4.o1.ts	Method	TBLASTX:Soybean
Start	267	End	872
GI	none	Score	141
Exons	267..872, 364..681, 754..867		

Seq. No.	24711	Seq. ID	OJ990524_11.9921.C4
Gene No.	51339	Strand	
Start	208	End	1064
Name	OJ990524_11.9921.C4.o1.tm	Method	TBLASTX:Maize
Start	579	End	1025
GI	none	Score	85
Exons	579..701, 579..1025, 580..1008, 723..1016		

Seq. No.	24711	Seq. ID	OJ990524_11.9921.C4
Gene No.	51339	Strand	
Start	208	End	1064
Name	OJ990524_11.9921.C4.o1.tw	Method	TBLASTX:Wheat
Start	636	End	1064
GI	none	Score	180
Exons	636..902, 649..903, 653..907, 894..1064, 918..1064		

Seq. No.	24712	Seq. ID	OJ990524_11.9921.C6
Gene No.	51340	Strand	-
Start	1314	End	2773
Name	OJ990524_11.9921.C6.o1.gp	Method	AAT/GAP
Start	1314	End	2773
GI	none	Score	1174
Exons	1314..1546, 1732..1888, 1977..2066, 2229..2263, 2510..2590, 2697..2773		

Seq. No.	24712	Seq. ID	OJ990524_11.9921.C6
Gene No.	51341	Strand	-
Start	3943	End	5167
Name	OJ990524_11.9921.C6.o3.tm	Method	TBLASTX:Maize
Start	1415	End	2059
GI	none	Score	117
Exons	1415..1561, 1433..1549, 1447..1581, 1724..1888, 1729..1890, 1730..1888, 1977..2057, 1980..2057, 1981..2058, 1982..2059, 1994..2059		

Seq. No.	24712	Seq. ID	OJ990524_11.9921.C6
Gene No.	51341	Strand	-
Start	3943	End	5167
Name	OJ990524_11.9921.C6.o2.gp	Method	AAT/GAP
Start	3943	End	5154
GI	630_1.R1084	Score	1083
Exons	3943..4330, 4417..4534, 5065..5154		
GI Descrip.	'4996286/dbj|BAA78386.1| 4.0e-29 (AB020975) lipoyltransferase [Arabidopsis thaliana]'		

Seq. No.	24712	Seq. ID	OJ990524_11.9921.C6
Gene No.	51341	Strand	-
Start	3943	End	5167
Name	OJ990524_11.9921.C6.o2.tm	Method	TBLASTX:Maize
Start	4172	End	5167
GI	none	Score	99
Exons	4172..4204, 4263..4328, 4264..4326, 4265..4336, 4388..4540, 4410..4535, 4417..4539, 5054..5167, 5063..5155, 5065..5157		

Seq. No.	24712	Seq. ID	OJ990524_11.9921.C6
Gene No.	51341	Strand	-
Start	3943	End	5167
Name	OJ990524_11.9921.C6.o1.tc	Method	TBLASTX:Cress
Start	4245	End	5157
GI	none	Score	76
Exons	4245..4328, 4260..4328, 4388..4540, 4410..4541, 5054..5155, 5063..5155, 5065..5157		

Seq. No.	24712	Seq. ID	OJ990524_11.9921.C6
Gene No.	51341	Strand	-
Start	3943	End	5167
Name	OJ990524_11.9921.C6.o1.ts	Method	TBLASTX:Soybean
Start	4275	End	5157
GI	none	Score	101
Exons	4275..4328, 4276..4329, 4276..4329, 4388..4540, 4410..4541, 5054..5155, 5065..5157		

Seq. No.	24712	Seq. ID	OJ990524_11.9921.C6
Gene No.	51342	Strand	
Start	5910	End	6409
Name	OJ990524_11.9921.C6.o2.ts	Method	TBLASTX:Soybean
Start	5910	End	6241
GI	none	Score	139
Exons	5910..6068, 5930..6031, 6057..6185, 6128..6241		

Seq. No.	24712	Seq. ID	OJ990524_11.9921.C6
Gene No.	51342	Strand	
Start	5910	End	6409
Name	OJ990524_11.9921.C6.o4.tm	Method	TBLASTX:Maize
Start	5910	End	6110
GI	none	Score	256
Exons	5910..6110, 5912..6109		

Seq. No.	24712	Seq. ID	OJ990524_11.9921.C6
Gene No.	51342	Strand	
Start	5910	End	6409
Name	OJ990524_11.9921.C6.o2.tw	Method	TBLASTX:Wheat

Start	5910	End	6409
GI	none	Score	201
Exons	5910..6161, 6104..6238, 6233..6271, 6317..6409		

Seq. No.	24712	Seq. ID	OJ990524_11.9921.C6
Gene No.	51343	Strand	
Start	6313	End	6878
Name	OJ990524_11.9921.C6.o1.tm	Method	TBLASTX:Maize
Start	6313	End	6785
GI	none	Score	118
Exons	6313..6411, 6314..6412, 6396..6674, 6411..6686, 6554..6676, 6693..6785, 6704..6775		

Seq. No.	24712	Seq. ID	OJ990524_11.9921.C6
Gene No.	51343	Strand	
Start	6313	End	6878
Name	OJ990524_11.9921.C6.o1.tw	Method	TBLASTX:Wheat
Start	6513	End	6878
GI	none	Score	317
Exons	6513..6878, 6623..6877		

Seq. No.	24713	Seq. ID	OJ990524_11.9921.C7
Gene No.	51344	Strand	-
Start	457	End	1557
Name	OJ990524_11.9921.C7.o1.gp	Method	AAT/GAP
Start	457	End	1557
GI	630_1.R1084	Score	324
Exons	457..519, 1432..1557		
GI Descrip.	'4996286/dbj|BAA78386.1| 4.0e-29 (AB020975) lipoyltransferase [Arabidopsis thaliana]'		

Seq. No.	24714	Seq. ID	OJ990524_11.9921.C8
Gene No.	51345	Strand	
Start	2103	End	2364
Name	OJ990524_11.9921.C8.o1.tw	Method	TBLASTX:Wheat
Start	2103	End	2364
GI	none	Score	84
Exons	2103..2183, 2119..2184, 2197..2259, 2217..2249, 2295..2363, 2299..2364		

Seq. No.	24715	Seq. ID	OJ990524_11.9921.C10
Gene No.	51346	Strand	
Start	854	End	1224
Name	OJ990524_11.9921.C10.o1.tm	Method	TBLASTX:Maize
Start	854	End	1224
GI	none	Score	93
Exons	854..937, 865..939, 878..931, 953..1156, 955..1152, 1168..1224		

Seq. No.	24716	Seq. ID	OJ990524_11.9921.C11
Gene No.	51347	Strand	+
Start	7038	End	7346
Name	OJ990524_11.9921.C11.o2.gp	Method	AAT/GAP
Start	7038	End	7346
GI	5039076	Score	500
Exons	7038..7346		
GI Descrip.	4996286/dbj|BAA78386.1| 4.0e-29 (AB020975) lipoyltransferase [Arabidopsis thaliana]		

Seq. No.	24716	Seq. ID	OJ990524_11.9921.C11
Gene No.	51348	Strand	-
Start	5620	End	6186
Name	OJ990524_11.9921.C11.o1.gp	Method	AAT/GAP
Start	5620	End	6186
GI	3107326	Score	314
Exons	5620..5747, 6144..6186		

Seq. No.	24716	Seq. ID	OJ990524_11.9921.C11
Gene No.	51349	Strand	-
Start	9064	End	9531
Name	OJ990524_11.9921.C11.o3.tm	Method	TBLASTX:Maize
Start	5634	End	6374
GI	none	Score	174
Exons	5634..5759, 5634..5747, 5636..5761, 6144..6209, 6145..6210, 6324..6374, 6326..6367		

Seq. No.	24716	Seq. ID	OJ990524_11.9921.C11
Gene No.	51349	Strand	-
Start	9064	End	9531
Name	OJ990524_11.9921.C11.o1.tm	Method	TBLASTX:Maize
Start	6783	End	7511
GI	none	Score	248
Exons	6783..6947, 6809..6946, 6939..7355, 7001..7342, 7195..7356, 7365..7493, 7365..7511		

Seq. No.	24716	Seq. ID	OJ990524_11.9921.C11
Gene No.	51349	Strand	-
Start	9064	End	9531
Name	OJ990524_11.9921.C11.o2.tm	Method	TBLASTX:Maize
Start	8924	End	9522
GI	none	Score	131
Exons	8924..9151, 8925..9125, 9411..9521, 9412..9522		

Seq. No.	24716	Seq. ID	OJ990524_11.9921.C11
Gene No.	51349	Strand	-
Start	9064	End	9531
Name	OJ990524_11.9921.C11.o3.gp	Method	AAT/GAP
Start	9064	End	9531
GI	LIB3433-042-P1-K1-H2	Score	855
Exons	9064..9531		
GI Descrip.	'2130042/pir||S64721 4.0e-34 Mg-chelatase chain Xantha-f - barley >gi_861199 (U26916) protoporphyrin IX Mg-chelatase subunit precursor [Hordeum vulgare]'		

Seq. No.	24717	Seq. ID	OJ990524_11.9921.C20
Gene No.	51350	Strand	+
Start	1906	End	2735
Name	OJ990524_11.9921.C20.o1.tw	Method	TBLASTX:Wheat
Start	1691	End	2087
GI	none	Score	127
Exons	1691..1789, 1692..1826, 1796..2068, 1803..2087, 1965..2087		

Seq. No.	24717	Seq. ID	OJ990524_11.9921.C20
Gene No.	51350	Strand	+
Start	1906	End	2735

Name	OJ990524_11.9921.C20.o2.tm	Method	TBLASTX:Maize
Start	1839	End	2147
GI	none	Score	292
Exons	1839..2147, 1886..2068, 1965..2144		

Seq. No.	24717	Seq. ID	OJ990524_11.9921.C20
Gene No.	51350	Strand	+
Start	1906	End	2735
Name	OJ990524_11.9921.C20.o1.gp	Method	AAT/GAP
Start	1906	End	2735
GI	101595_1.R1084	Score	1149
Exons	1906..2545, 2661..2735		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	24717	Seq. ID	OJ990524_11.9921.C20
Gene No.	51351	Strand	
Start	2676	End	2919
Name	OJ990524_11.9921.C20.o1.tm	Method	TBLASTX:Maize
Start	2676	End	2919
GI	none	Score	98
Exons	2676..2759, 2678..2761, 2678..2758, 2735..2911, 2751..2906, 2752..2913, 2752..2919		

Seq. No.	24718	Seq. ID	OJ990524_11.9921.C21
Gene No.	51352	Strand	+
Start	109	End	183
Name	OJ990524_11.9921.C21.o1.gp	Method	AAT/GAP
Start	109	End	183
GI	101595_1.R1084	Score	91
Exons	109..183		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	24718	Seq. ID	OJ990524_11.9921.C21
Gene No.	51353	Strand	
Start	105	End	482
Name	OJ990524_11.9921.C21.o1.tm	Method	TBLASTX:Maize
Start	105	End	482
GI	none	Score	148
Exons	105..209, 108..206, 109..207, 184..366, 198..353, 198..377, 199..378, 200..397, 415..468, 417..482		

Seq. No.	24718	Seq. ID	OJ990524_11.9921.C21
Gene No.	51354	Strand	
Start	675	End	866
Name	OJ990524_11.9921.C21.o4.tw	Method	TBLASTX:Wheat
Start	675	End	866
GI	none	Score	63
Exons	675..725, 676..726, 714..866, 719..865		

Seq. No.	24718	Seq. ID	OJ990524_11.9921.C21
Gene No.	51355	Strand	
Start	803	End	1622
Name	OJ990524_11.9921.C21.o4.tm	Method	TBLASTX:Maize
Start	803	End	1121
GI	none	Score	208

Exons	803..862, 804..1040, 893..1033, 1056..1121		
Seq. No.	24718	Seq. ID	OJ990524_11.9921.C21
Gene No.	51355	Strand	
Start	803	End	1622
Name	OJ990524_11.9921.C21.o2.ts	Method	TBLASTX:Soybean
Start	819	End	1217
GI	none	Score	203
Exons	819..1040, 821..1033, 1044..1217		
Seq. No.	24718	Seq. ID	OJ990524_11.9921.C21
Gene No.	51355	Strand	
Start	803	End	1622
Name	OJ990524_11.9921.C21.o1.tw	Method	TBLASTX:Wheat
Start	867	End	1622
GI	none	Score	928
Exons	867..1622, 875..1372, 1439..1618		
Seq. No.	24718	Seq. ID	OJ990524_11.9921.C21
Gene No.	51356	Strand	
Start	1542	End	2908
Name	OJ990524_11.9921.C21.o1.ts	Method	TBLASTX:Soybean
Start	1542	End	2005
GI	5509260	Score	136
Exons	1542..1739, 1646..1717, 1712..2005, 1715..1861		
GI Descrip.	-		
Seq. No.	24718	Seq. ID	OJ990524_11.9921.C21
Gene No.	51356	Strand	
Start	1542	End	2908
Name	OJ990524_11.9921.C21.o3.tm	Method	TBLASTX:Maize
Start	1677	End	2140
GI	none	Score	55
Exons	1677..1745, 1692..1727, 1733..2140, 1811..1960, 1927..1986		
Seq. No.	24718	Seq. ID	OJ990524_11.9921.C21
Gene No.	51356	Strand	
Start	1542	End	2908
Name	OJ990524_11.9921.C21.o3.tw	Method	TBLASTX:Wheat
Start	1677	End	2428
GI	none	Score	56
Exons	1677..1727, 1712..2020, 1732..1857, 2015..2221, 2375..2428		
Seq. No.	24718	Seq. ID	OJ990524_11.9921.C21
Gene No.	51356	Strand	
Start	1542	End	2908
Name	OJ990524_11.9921.C21.o3.ts	Method	TBLASTX:Soybean
Start	2054	End	2425
GI	none	Score	149
Exons	2054..2233, 2074..2121, 2234..2422, 2236..2421, 2249..2425		
Seq. No.	24718	Seq. ID	OJ990524_11.9921.C21
Gene No.	51356	Strand	
Start	1542	End	2908
Name	OJ990524_11.9921.C21.o2.tm	Method	TBLASTX:Maize
Start	2225	End	2573
GI	none	Score	349

Exons	2225..2572, 2239..2571, 2259..2573		
Seq. No.	24718	Seq. ID	OJ990524_11.9921.C21
Gene No.	51356	Strand	
Start	1542	End	2908
Name	OJ990524_11.9921.C21.o2.tw	Method	TBLASTX:Wheat
Start	2429	End	2908
GI	none	Score	105
Exons	2429..2503, 2429..2494, 2434..2502, 2503..2787, 2518..2787, 2519..2815, 2522..2791, 2771..2875, 2784..2903, 2784..2903, 2795..2908		
Seq. No.	24718	Seq. ID	OJ990524_11.9921.C21
Gene No.	51356	Strand	
Start	1542	End	2908
Name	OJ990524_11.9921.C21.o4.ts	Method	TBLASTX:Soybean
Start	2435	End	2776
GI	none	Score	97
Exons	2435..2548, 2470..2538, 2567..2776, 2572..2697		
Seq. No.	24718	Seq. ID	OJ990524_11.9921.C21
Gene No.	51357	Strand	
Start	2919	End	3157
Name	OJ990524_11.9921.C21.o5.tm	Method	TBLASTX:Maize
Start	2919	End	3157
GI	none	Score	117
Exons	2919..3008, 2920..3009, 2924..3007, 3047..3157, 3058..3156		
Seq. No.	24719	Seq. ID	OJ990524_11.9921.C22
Gene No.	51358	Strand	-
Start	1	End	234
Name	OJ990524_11.9921.C22.o1.gp	Method	AAT/GAP
Start	1	End	234
GI	5005373	Score	426
Exons	1..234		
Seq. No.	24719	Seq. ID	OJ990524_11.9921.C22
Gene No.	51359	Strand	-
Start	871	End	1214
Name	OJ990524_11.9921.C22.o2.gp	Method	AAT/GAP
Start	871	End	1214
GI	24769_1.R1084	Score	656
Exons	871..1214		
GI Descrip.	'4960156/gb|AAD34616.1|AF153284_1 5.0e-25 (AF153284) putative progesterone-binding protein homolog [Arabidopsis thaliana]'		
Seq. No.	24720	Seq. ID	OJ990524_11.9921.C27
Gene No.	51360	Strand	+
Start	13463	End	14452
Name	OJ990524_11.9921.C27.o2.gp	Method	AAT/GAP
Start	13463	End	14452
GI	5002851	Score	618
Exons	13463..13722, 14361..14452		
Seq. No.	24720	Seq. ID	OJ990524_11.9921.C27
Gene No.	51361	Strand	+
Start	15943	End	16905

Name	OJ990524_11.9921.C27.o3.gp	Method	AAT/GAP
Start	15943	End	16905
GI	none	Score	280
Exons	15943..16010, 16610..16689, 16853..16905		

Seq. No.	24720	Seq. ID	OJ990524_11.9921.C27
Gene No.	51362	Strand	+
Start	18014	End	19189
Name	OJ990524_11.9921.C27.o4.gp	Method	AAT/GAP
Start	18014	End	19189
GI	5273_1.R1084	Score	751
Exons	18014..18092, 18234..18287, 18364..18453, 18847..18913, 19030..19189		
GI Descrip.	'4689108/gb|AAD27763.1|AF077030_1 2.0e-28 (AF077030) hypothetical 43.2 kDa protein [Homo sapiens] >gi_4929577_gb_AAD34049.1_AF151812_1 (AF151812) CGI-54 protein [Homo sapiens]'		

Seq. No.	24720	Seq. ID	OJ990524_11.9921.C27
Gene No.	51363	Strand	-
Start	11451	End	11874
Name	OJ990524_11.9921.C27.o2.tm	Method	TBLASTX:Maize
Start	8824	End	10924
GI	none	Score	299
Exons	8824..8886, 9204..9389, 9205..9411, 9213..9419, 10103..10345, 10121..10348, 10125..10346, 10126..10350, 10828..10899, 10831..10896, 10836..10898, 10901..10924		

Seq. No.	24720	Seq. ID	OJ990524_11.9921.C27
Gene No.	51363	Strand	-
Start	11451	End	11874
Name	OJ990524_11.9921.C27.o3.tm	Method	TBLASTX:Maize
Start	9566	End	10099
GI	none	Score	173
Exons	9566..9640, 9656..9886, 9657..9887, 9658..9885, 9673..9909, 9693..9887, 9876..9935, 9880..9930, 9888..9935, 9898..9936, 9935..10099, 9949..10095		

Seq. No.	24720	Seq. ID	OJ990524_11.9921.C27
Gene No.	51363	Strand	-
Start	11451	End	11874
Name	OJ990524_11.9921.C27.o2.ts	Method	TBLASTX:Soybean
Start	10138	End	10357
GI	none	Score	215
Exons	10138..10296, 10139..10345, 10149..10352, 10178..10357		

Seq. No.	24720	Seq. ID	OJ990524_11.9921.C27
Gene No.	51363	Strand	-
Start	11451	End	11874
Name	OJ990524_11.9921.C27.o4.ts	Method	TBLASTX:Soybean
Start	10849	End	11270
GI	none	Score	66
Exons	10849..10974, 10862..10915, 10903..11109, 10971..11063, 11139..11270, 11140..11262		

Seq. No.	24720	Seq. ID	OJ990524_11.9921.C27
Gene No.	51363	Strand	-

Start	11451	End	11874
Name	OJ990524_11.9921.C27.o1.gp	Method	AAT/GAP
Start	11451	End	11874
GI	none	Score	808
Exons	11451..11874		

Seq. No.	24720	Seq. ID	OJ990524_11.9921.C27
Gene No.	51364	Strand	
Start	15709	End	19145
Name	OJ990524_11.9921.C27.o1.tm	Method	TBLASTX:Maize
Start	15709	End	19145
GI	none	Score	117
Exons	15709..15801, 15719..15802, 15721..15801, 15929..16009, 15929..16009, 15930..16013, 15933..16010, 16610..16660, 16615..16659, 16659..16688, 16660..16689, 16850..16954, 16861..16944, 17592..17789, 17593..17790, 17879..17944, 17881..17949, 17882..17959, 17883..17960, 18032..18094, 18033..18098, 18224..18301, 18225..18299, 18360..18455, 18361..18456, 18363..18455, 18385..18477, 18844..18903, 18844..18903, 18845..18904, 18846..18905, 18872..18910, 19028..19084, 19029..19121, 19032..19145		

Seq. No.	24720	Seq. ID	OJ990524_11.9921.C27
Gene No.	51364	Strand	
Start	15709	End	19145
Name	OJ990524_11.9921.C27.o3.ts	Method	TBLASTX:Soybean
Start	15966	End	19124
GI	none	Score	66
Exons	15966..16013, 16610..16657, 16657..16689, 16850..16954, 16867..16941, 18844..18918, 18846..18914, 19022..19102, 19029..19124		

Seq. No.	24720	Seq. ID	OJ990524_11.9921.C27
Gene No.	51364	Strand	
Start	15709	End	19145
Name	OJ990524_11.9921.C27.o1.tc	Method	TBLASTX:Cress
Start	16850	End	18287
GI	none	Score	120
Exons	16850..16954, 16867..16941, 17593..17790, 17595..17789, 17881..17946, 17882..17962, 18069..18089, 18073..18093, 18231..18287		

Seq. No.	24720	Seq. ID	OJ990524_11.9921.C27
Gene No.	51364	Strand	
Start	15709	End	19145
Name	OJ990524_11.9921.C27.o1.ts	Method	TBLASTX:Soybean
Start	17593	End	18456
GI	none	Score	216
Exons	17593..17790, 17595..17765, 17602..17784, 17881..17949, 17882..17959, 18068..18094, 18069..18098, 18224..18286, 18225..18299, 18361..18393, 18366..18386, 18414..18455, 18415..18456		

Seq. No.	24721	Seq. ID	OJ990524_11.9921.C28
Gene No.	51365	Strand	+
Start	126	End	682
Name	OJ990524_11.9921.C28.o1.tm	Method	TBLASTX:Maize

Start	125	End	402
GI	none	Score	97
Exons	125..199, 127..195, 156..200, 184..201, 306..392, 310..402, 313..396		

Seq. No.	24721	Seq. ID	OJ990524_11.9921.C28
Gene No.	51365	Strand	+
Start	126	End	682
Name	OJ990524_11.9921.C28.o1.ts	Method	TBLASTX:Soybean
Start	125	End	405
GI	none	Score	106
Exons	125..199, 127..195, 303..383, 310..405		

Seq. No.	24721	Seq. ID	OJ990524_11.9921.C28
Gene No.	51365	Strand	+
Start	126	End	682
Name	OJ990524_11.9921.C28.o1.gp	Method	AAT/GAP
Start	126	End	682
GI	5273_1.R1084	Score	790
Exons	126..194, 311..682		
GI Descrip.	'4689108/gb|AAD27763.1|AF077030_1 2.0e-28 (AF077030) hypothetical 43.2 kDa protein [Homo sapiens] >gi_4929577_gb_AAD34049.1_AF151812_1 (AF151812) CGI-54 protein [Homo sapiens]'		

Seq. No.	24722	Seq. ID	OJ990524_11.9921.C30
Gene No.	51366	Strand	-
Start	3840	End	4282
Name	OJ990524_11.9921.C30.o1.tm	Method	TBLASTX:Maize
Start	3071	End	4165
GI	none	Score	37
Exons	3071..3184, 3077..3172, 3215..3568, 3216..3569, 3635..3805, 3636..3803, 3890..3943, 3959..4165, 4014..4148, 4067..4165		

Seq. No.	24722	Seq. ID	OJ990524_11.9921.C30
Gene No.	51366	Strand	-
Start	3840	End	4282
Name	OJ990524_11.9921.C30.o1.tc	Method	TBLASTX:Cress
Start	3074	End	4114
GI	none	Score	67
Exons	3074..3361, 3350..3526, 3656..3799, 3660..3767, 4010..4114		

Seq. No.	24722	Seq. ID	OJ990524_11.9921.C30
Gene No.	51366	Strand	-
Start	3840	End	4282
Name	OJ990524_11.9921.C30.o1.ts	Method	TBLASTX:Soybean
Start	3074	End	3559
GI	none	Score	265
Exons	3074..3166, 3215..3556, 3216..3554, 3425..3559, 3456..3557		

Seq. No.	24722	Seq. ID	OJ990524_11.9921.C30
Gene No.	51366	Strand	-
Start	3840	End	4282
Name	OJ990524_11.9921.C30.o2.ts	Method	TBLASTX:Soybean
Start	3641	End	4114
GI	none	Score	109
Exons	3641..3805, 3654..3803, 4007..4114		

Seq. No.	24722	Seq. ID	OJ990524_11.9921.C30
Gene No.	51366	Strand	-
Start	3840	End	4282
Name	OJ990524_11.9921.C30.o1.gp	Method	AAT/GAP
Start	3840	End	4282
GI	53224_1.R1084	Score	818
Exons	3840..4282		
GI Descrip.	'2832643/emb|CAA16718| 4.0e-13 (AL021710) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	24723	Seq. ID	OJ990524_11.9921.C32
Gene No.	51367	Strand	
Start	2872	End	3372
Name	OJ990524_11.9921.C32.o2.tm	Method	TBLASTX:Maize
Start	2872	End	3372
GI	none	Score	76
Exons	2872..2937, 2965..3030, 3047..3244, 3073..3372, 3075..3278		

Seq. No.	24723	Seq. ID	OJ990524_11.9921.C32
Gene No.	51368	Strand	
Start	3601	End	4093
Name	OJ990524_11.9921.C32.o1.tm	Method	TBLASTX:Maize
Start	3601	End	4060
GI	none	Score	125
Exons	3601..3708, 3605..3706, 3683..4060, 3709..4020		

Seq. No.	24723	Seq. ID	OJ990524_11.9921.C32
Gene No.	51368	Strand	
Start	3601	End	4093
Name	OJ990524_11.9921.C32.o1.ts	Method	TBLASTX:Soybean
Start	3611	End	4069
GI	none	Score	247
Exons	3611..4069		

Seq. No.	24723	Seq. ID	OJ990524_11.9921.C32
Gene No.	51368	Strand	
Start	3601	End	4093
Name	OJ990524_11.9921.C32.o1.tc	Method	TBLASTX:Cress
Start	3641	End	4090
GI	none	Score	307
Exons	3641..4090, 3850..4086		

Seq. No.	24723	Seq. ID	OJ990524_11.9921.C32
Gene No.	51368	Strand	
Start	3601	End	4093
Name	OJ990524_11.9921.C32.o1.tw	Method	TBLASTX:Wheat
Start	3731	End	4093
GI	none	Score	336
Exons	3731..4093, 3731..4078, 3895..4080		

Seq. No.	24724	Seq. ID	OJ990524_11.9921.C33
Gene No.	51369	Strand	+
Start	1	End	370
Name	OJ990524_11.9921.C33.o1.gp	Method	AAT/GAP
Start	1	End	370
GI	5273_1.R1084	Score	645

Exons	1..370		
GI Descrip.	'4689108/gb|AAD27763.1|AF077030_1 2.0e-28 (AF077030) hypothetical 43.2 kDa protein [Homo sapiens] >gi_4929577_gb_AAD34049.1_AF151812_1 (AF151812) CGI-54 protein [Homo sapiens]'		
Seq. No.	24725	Seq. ID	OJ990524_11.9921.C35
Gene No.	51370	Strand	+
Start	3260	End	3521
Name	OJ990524_11.9921.C35.o2.gp	Method	AAT/GAP
Start	3260	End	3521
GI	3768414	Score	503
Exons	3260..3521		
GI Descrip.	2130042/pir||S64721 4.0e-34 Mg-chelatase chain Xantha-f - barley >gi_861199 (U26916) protoporphyrin IX Mg-chelatase subunit precursor [Hordeum vulgare]		
Seq. No.	24725	Seq. ID	OJ990524_11.9921.C35
Gene No.	51371	Strand	-
Start	1886	End	2139
Name	OJ990524_11.9921.C35.o1.gp	Method	AAT/GAP
Start	1886	End	2139
GI	702592	Score	496
Exons	1886..2139		
Seq. No.	24725	Seq. ID	OJ990524_11.9921.C35
Gene No.	51372	Strand	
Start	2669	End	4280
Name	OJ990524_11.9921.C35.o1.ts	Method	TBLASTX:Soybean
Start	2669	End	4280
GI	none	Score	49
Exons	2669..2764, 2843..2884, 2942..3013, 2944..2991, 3002..3304, 3017..3100, 3061..3303, 3293..4099, 3307..4011, 3653..4096, 4196..4273, 4197..4280		
Seq. No.	24725	Seq. ID	OJ990524_11.9921.C35
Gene No.	51372	Strand	
Start	2669	End	4280
Name	OJ990524_11.9921.C35.o1.tm	Method	TBLASTX:Maize
Start	2941	End	3177
GI	none	Score	265
Exons	2941..3117, 2942..3118, 3064..3177		
Seq. No.	24725	Seq. ID	OJ990524_11.9921.C35
Gene No.	51372	Strand	
Start	2669	End	4280
Name	OJ990524_11.9921.C35.o1.tc	Method	TBLASTX:Cress
Start	3239	End	3688
GI	none	Score	107
Exons	3239..3304, 3241..3303, 3293..3673, 3307..3672, 3661..3687, 3662..3688		
Seq. No.	24725	Seq. ID	OJ990524_11.9921.C35
Gene No.	51372	Strand	
Start	2669	End	4280
Name	OJ990524_11.9921.C35.o2.tc	Method	TBLASTX:Cress
Start	3854	End	4280

GI	none	Score	400
Exons	3854..4099, 3856..4095, 3887..4099, 4196..4279, 4197..4280		
Seq. No.	24726	Seq. ID	OJ990524_11.9921.C43
Gene No.	51373	Strand	+
Start	2817	End	3067
Name	OJ990524_11.9921.C43.o1.gp	Method	AAT/GAP
Start	2817	End	3067
GI	none	Score	419
Exons	2817..3067		
Seq. No.	24726	Seq. ID	OJ990524_11.9921.C43
Gene No.	51374	Strand	-
Start	4164	End	5427
Name	OJ990524_11.9921.C43.o3.tm	Method	TBLASTX:Maize
Start	198	End	485
GI	none	Score	54
Exons	198..248, 203..274, 240..275, 300..485, 353..484		
Seq. No.	24726	Seq. ID	OJ990524_11.9921.C43
Gene No.	51374	Strand	-
Start	4164	End	5427
Name	OJ990524_11.9921.C43.o4.tm	Method	TBLASTX:Maize
Start	3031	End	3303
GI	none	Score	108
Exons	3031..3141, 3045..3137, 3224..3298, 3226..3303, 3226..3303		
Seq. No.	24726	Seq. ID	OJ990524_11.9921.C43
Gene No.	51374	Strand	-
Start	4164	End	5427
Name	OJ990524_11.9921.C43.o1.tc	Method	TBLASTX:Cress
Start	3037	End	3498
GI	none	Score	45
Exons	3037..3132, 3037..3156, 3215..3295, 3224..3298, 3226..3309, 3226..3372, 3448..3498		
Seq. No.	24726	Seq. ID	OJ990524_11.9921.C43
Gene No.	51374	Strand	-
Start	4164	End	5427
Name	OJ990524_11.9921.C43.o1.tm	Method	TBLASTX:Maize
Start	3304	End	4078
GI	none	Score	69
Exons	3304..3372, 3304..3372, 3312..3386, 3451..3591, 3454..3591, 3455..3592, 3637..3741, 3642..3746, 3657..3749, 3786..3914, 3787..3915, 3791..3919, 3991..4059, 3998..4078, 3998..4078		
Seq. No.	24726	Seq. ID	OJ990524_11.9921.C43
Gene No.	51374	Strand	-
Start	4164	End	5427
Name	OJ990524_11.9921.C43.o1.ts	Method	TBLASTX:Soybean
Start	3520	End	5427
GI	none	Score	82
Exons	3520..3576, 3660..3722, 3662..3718, 3792..3902, 3793..3903, 4002..4073, 4004..4075, 4201..4251, 5065..5181, 5068..5181, 5078..5182, 5084..5188, 5346..5426, 5347..5427		
Seq. No.	24726	Seq. ID	OJ990524_11.9921.C43

Gene No.	51374	Strand	-
Start	4164	End	5427
Name	OJ990524_11.9921.C43.o1.tw	Method	TBLASTX:Wheat
Start	3662	End	4075
GI	none	Score	53
Exons	3662..3718, 3663..3722, 3792..3908, 3793..3912, 4004..4075		

Seq. No.	24726	Seq. ID	OJ990524_11.9921.C43
Gene No.	51374	Strand	-
Start	4164	End	5427
Name	OJ990524_11.9921.C43.o2.tm	Method	TBLASTX:Maize
Start	4156	End	5427
GI	none	Score	76
Exons	4156..4179, 4186..4251, 4187..4252, 5084..5203, 5084..5203, 5310..5426, 5311..5427, 5311..5427		

Seq. No.	24726	Seq. ID	OJ990524_11.9921.C43
Gene No.	51374	Strand	-
Start	4164	End	5427
Name	OJ990524_11.9921.C43.o2.gp	Method	AAT/GAP
Start	4164	End	5427
GI	none	Score	553
Exons	4164..4250, 5092..5200, 5313..5427		

Seq. No.	24727	Seq. ID	OJ990524_11.9921.C44
Gene No.	51375	Strand	-
Start	268	End	458
Name	OJ990524_11.9921.C44.o1.gp	Method	AAT/GAP
Start	268	End	458
GI	none	Score	350
Exons	268..458		

Seq. No.	24728	Seq. ID	OJ990524_11.9921.C47
Gene No.	51376	Strand	-
Start	265	End	359
Name	OJ990524_11.9921.C47.o1.gp	Method	AAT/GAP
Start	265	End	359
GI	5273_1.R1084	Score	138
Exons	265..359		
GI Descrip.	'4689108/gb|AAD27763.1|AF077030_1 2.0e-28 (AF077030) hypothetical 43.2 kDa protein [Homo sapiens] >gi_4929577_gb_AAD34049.1_AF151812_1 (AF151812) CGI-54 protein [Homo sapiens]'		

Seq. No.	24728	Seq. ID	OJ990524_11.9921.C47
Gene No.	51377	Strand	
Start	264	End	381
Name	OJ990524_11.9921.C47.o1.tm	Method	TBLASTX:Maize
Start	264	End	381
GI	none	Score	115
Exons	264..359, 265..360, 267..359, 289..381		

Seq. No.	24729	Seq. ID	OJ990604_11.9920.C4
Gene No.	51378	Strand	-
Start	1	End	636
Name	OJ990604_11.9920.C4.o1.np	Method	AAT/NAP
Start	1	End	636

GI	2443320	Score	644
Exons	1..636		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	24729	Seq. ID	OJ990604_11.9920.C4
Gene No.	51378	Strand	-
Start	1	End	636
Name	OJ990604_11.9920.C4.o1.gs	Method	GENSCAN
Start	181	End	511
GI	none	Score	.48
Exons	181..511		

Seq. No.	24730	Seq. ID	OJ990604_11.9920.C5
Gene No.	51379	Strand	+
Start	76	End	369
Name	OJ990604_11.9920.C5.o2.gp	Method	AAT/GAP
Start	76	End	369
GI	61605_3.R1084	Score	449
Exons	76..369		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	24730	Seq. ID	OJ990604_11.9920.C5
Gene No.	51380	Strand	+
Start	383	End	606
Name	OJ990604_11.9920.C5.o1.gs	Method	GENSCAN
Start	383	End	606
GI	none	Score	.56
Exons	383..606		

Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51381	Strand	+
Start	245	End	1390
Name	OJ990604_11.9920.C6.o1.gs	Method	GENSCAN
Start	245	End	1390
GI	none	Score	.52
Exons	245..349, 801..965, 1271..1390		

Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o4.ts	Method	TBLASTX:Soybean
Start	3002	End	3400
GI	none	Score	189
Exons	3002..3400		

Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o5.ts	Method	TBLASTX:Soybean
Start	3750	End	14826
GI	none	Score	104
Exons	3750..3920, 3974..4108, 14692..14826		

Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351

Name	OJ990604_11.9920.C6.o4.tw	Method	TBLASTX:Wheat
Start	3914	End	14996
GI	none	Score	232
Exons	3914..4210, 3929..4279, 14511..14861, 14515..14862, 14849..14968, 14850..14996		

Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o5.tm	Method	TBLASTX:Maize
Start	3935	End	14816
GI	none	Score	98
Exons	3935..4093, 14526..14597, 14527..14814, 14625..14816		

Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o2.tm	Method	TBLASTX:Maize
Start	4172	End	15341
GI	none	Score	545
Exons	4172..4633, 4172..4564, 4321..4632, 14889..15020, 14891..15007, 15101..15280, 15102..15341		

Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o1.ts	Method	TBLASTX:Soybean
Start	4268	End	15332
GI	none	Score	173
Exons	4268..4600, 14937..14969, 14969..15022, 14973..15017, 14973..15203, 15081..15332, 15089..15331		

Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o5.tw	Method	TBLASTX:Wheat
Start	4331	End	15347
GI	none	Score	110
Exons	4331..4600, 4601..4735, 15046..15135, 15046..15123, 15083..15346, 15084..15347		

Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o3.tm	Method	TBLASTX:Maize
Start	4781	End	15790
GI	none	Score	93
Exons	4781..5014, 15420..15773, 15422..15712, 15423..15758, 15473..15790, 15734..15766		

Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o2.tw	Method	TBLASTX:Wheat
Start	4889	End	15857
GI	none	Score	77
Exons	4889..5017, 15348..15857, 15350..15766		

Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o2.ts	Method	TBLASTX:Soybean
Start	4940	End	5350
GI	none	Score	141
Exons	4940..5077, 4942..5091, 5098..5265, 5099..5350		

Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o9.tw	Method	TBLASTX:Wheat
Start	5114	End	5476
GI	none	Score	192
Exons	5114..5476		

Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o1.np	Method	AAT/NAP
Start	12790	End	17351
GI	4680179	Score	7296
Exons	12790..17351		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o7.tw	Method	TBLASTX:Wheat
Start	13056	End	13416
GI	none	Score	305
Exons	13056..13157, 13057..13416, 13182..13415		

Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o6.tm	Method	TBLASTX:Maize
Start	13296	End	13593
GI	none	Score	194
Exons	13296..13484, 13297..13593		

Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o8.tw	Method	TBLASTX:Wheat
Start	13936	End	14361
GI	none	Score	160
Exons	13936..14145, 13939..14082, 13986..14084, 14191..14361, 14196..14351		

Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o3.tw	Method	TBLASTX:Wheat
Start	15861	End	16340
GI	none	Score	561

Exons	15861..16340, 15894..16307, 16085..16339		
Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o3.ts	Method	TBLASTX:Soybean
Start	16128	End	16388
GI	none	Score	291
Exons	16128..16388, 16133..16387		
Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o4.tm	Method	TBLASTX:Maize
Start	16187	End	16478
GI	none	Score	391
Exons	16187..16474, 16188..16478		
Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o1.tw	Method	TBLASTX:Wheat
Start	16347	End	16973
GI	none	Score	721
Exons	16347..16973, 16349..16972		
Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o1.tm	Method	TBLASTX:Maize
Start	16527	End	17126
GI	none	Score	226
Exons	16527..16688, 16535..16681, 16685..17113, 16686..17126		
Seq. No.	24731	Seq. ID	OJ990604_11.9920.C6
Gene No.	51382	Strand	+
Start	12790	End	17351
Name	OJ990604_11.9920.C6.o6.tw	Method	TBLASTX:Wheat
Start	16973	End	17341
GI	none	Score	332
Exons	16973..17026, 16974..17306, 17072..17188, 17288..17341		
Seq. No.	24732	Seq. ID	OJ990604_11.9920.C7
Gene No.	51383	Strand	+
Start	450	End	1537
Name	OJ990604_11.9920.C7.o1.gs	Method	GENSCAN
Start	450	End	1360
GI	none	Score	.44
Exons	450..1360		
Seq. No.	24732	Seq. ID	OJ990604_11.9920.C7
Gene No.	51383	Strand	+
Start	450	End	1537
Name	OJ990604_11.9920.C7.o2.np	Method	AAT/NAP
Start	553	End	1537
GI	4544372	Score	425
Exons	553..1537		

GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	24732	Seq. ID	OJ990604_11.9920.C7
Gene No.	51384	Strand	-
Start	184	End	348
Name	OJ990604_11.9920.C7.o1.np	Method	AAT/NAP
Start	184	End	348
GI	4680183	Score	54
Exons	184..348		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	24732	Seq. ID	OJ990604_11.9920.C7
Gene No.	51385	Strand	-
Start	1896	End	3250
Name	OJ990604_11.9920.C7.o1.ts	Method	TBLASTX:Soybean
Start	560	End	958
GI	none	Score	244
Exons	560..958		

Seq. No.	24732	Seq. ID	OJ990604_11.9920.C7
Gene No.	51385	Strand	-
Start	1896	End	3250
Name	OJ990604_11.9920.C7.o1.tm	Method	TBLASTX:Maize
Start	572	End	937
GI	none	Score	75
Exons	572..715, 713..937		

Seq. No.	24732	Seq. ID	OJ990604_11.9920.C7
Gene No.	51385	Strand	-
Start	1896	End	3250
Name	OJ990604_11.9920.C7.o1.tw	Method	TBLASTX:Wheat
Start	716	End	1129
GI	none	Score	170
Exons	716..985, 1040..1129		

Seq. No.	24732	Seq. ID	OJ990604_11.9920.C7
Gene No.	51385	Strand	-
Start	1896	End	3250
Name	OJ990604_11.9920.C7.o2.ts	Method	TBLASTX:Soybean
Start	1298	End	1531
GI	none	Score	209
Exons	1298..1531, 1309..1437		

Seq. No.	24732	Seq. ID	OJ990604_11.9920.C7
Gene No.	51385	Strand	-
Start	1896	End	3250
Name	OJ990604_11.9920.C7.o2.gs	Method	GENSCAN
Start	1896	End	3250
GI	none	Score	.77
Exons	1896..2546, 2658..2768, 2972..3250		

Seq. No.	24733	Seq. ID	OJ990604_11.9920.C9
Gene No.	51386	Strand	-
Start	636	End	2558
Name	OJ990604_11.9920.C9.o1.gs	Method	GENSCAN
Start	636	End	2558

GI	none	Score	.55
Exons	636..752, 1584..1705, 1799..1985, 2177..2331, 2436..2558		

Seq. No.	24734	Seq. ID	OJ990604_11.9920.C10
Gene No.	51387	Strand	-
Start	1	End	2013
Name	OJ990604_11.9920.C10.o1.np	Method	AAT/NAP
Start	1	End	1761
GI	4680204	Score	424
Exons	1..65, 240..1761		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	24734	Seq. ID	OJ990604_11.9920.C10
Gene No.	51387	Strand	-
Start	1	End	2013
Name	OJ990604_11.9920.C10.o1.gs	Method	GENSCAN
Start	30	End	2013
GI	none	Score	.84
Exons	30..156, 352..552, 610..893, 1385..1657, 1766..2013		

Seq. No.	24735	Seq. ID	OJ990604_11.9920.C11
Gene No.	51388	Strand	-
Start	443	End	1543
Name	OJ990604_11.9920.C11.o1.gs	Method	GENSCAN
Start	443	End	1543
GI	none	Score	.81
Exons	443..513, 596..731, 851..940, 1427..1543		

Seq. No.	24736	Seq. ID	OJ990604_11.9920.C12
Gene No.	51389	Strand	+
Start	85	End	3334
Name	OJ990604_11.9920.C12.o1.gs	Method	GENSCAN
Start	85	End	1600
GI	none	Score	.79
Exons	85..161, 531..745, 1276..1402, 1597..1600		

Seq. No.	24736	Seq. ID	OJ990604_11.9920.C12
Gene No.	51389	Strand	+
Start	85	End	3334
Name	OJ990604_11.9920.C12.o1.np	Method	AAT/NAP
Start	603	End	3334
GI	5295955	Score	978
Exons	603..745, 1288..1402, 2082..2202, 2391..2738, 2778..3334		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	24736	Seq. ID	OJ990604_11.9920.C12
Gene No.	51390	Strand	-
Start	1765	End	6226
Name	OJ990604_11.9920.C12.o1.tw	Method	TBLASTX:Wheat
Start	3	End	4010
GI	none	Score	55
Exons	3..134, 67..129, 171..419, 355..420, 3592..3912, 3596..3913, 3904..3966, 3912..4010		

Seq. No.	24736	Seq. ID	OJ990604_11.9920.C12
Gene No.	51390	Strand	-

Start	1765	End	6226
Name	OJ990604_11.9920.C12.o3.np	Method	AAT/NAP
Start	1765	End	4337
GI	4115354	Score	295
Exons	1765..1793, 3591..3840, 3975..4337		
GI Descrip.	(AC005957) En/Spm-like transposon protein [Arabidopsis thaliana]		

Seq. No.	24736	Seq. ID	OJ990604_11.9920.C12
Gene No.	51390	Strand	-
Start	1765	End	6226
Name	OJ990604_11.9920.C12.o2.gs	Method	GENSCAN
Start	2132	End	4897
GI	none	Score	.56
Exons	2132..2587, 3712..3912, 3999..4300, 4659..4897		

Seq. No.	24736	Seq. ID	OJ990604_11.9920.C12
Gene No.	51390	Strand	-
Start	1765	End	6226
Name	OJ990604_11.9920.C12.o2.np	Method	AAT/NAP
Start	3389	End	6226
GI	5911167	Score	505
Exons	3389..3447, 3591..4343, 6205..6226		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	24736	Seq. ID	OJ990604_11.9920.C12
Gene No.	51390	Strand	-
Start	1765	End	6226
Name	OJ990604_11.9920.C12.o1.tm	Method	TBLASTX:Maize
Start	3655	End	4034
GI	none	Score	129
Exons	3655..3873, 3655..3882, 3665..3883, 3912..3968, 3984..4034		

Seq. No.	24736	Seq. ID	OJ990604_11.9920.C12
Gene No.	51390	Strand	-
Start	1765	End	6226
Name	OJ990604_11.9920.C12.o2.tm	Method	TBLASTX:Maize
Start	4143	End	4343
GI	none	Score	86
Exons	4143..4271, 4144..4266, 4263..4343, 4267..4338		

Seq. No.	24737	Seq. ID	OJ990604_11.9920.C13
Gene No.	51391	Strand	+
Start	1	End	5101
Name	OJ990604_11.9920.C13.o1.gp	Method	AAT/GAP
Start	1	End	570
GI	101153_1.R1084	Score	429
Exons	1..26, 342..570		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	24737	Seq. ID	OJ990604_11.9920.C13
Gene No.	51391	Strand	+
Start	1	End	5101
Name	OJ990604_11.9920.C13.o1.gs	Method	GENSCAN
Start	68	End	3139
GI	none	Score	.83
Exons	68..121, 936..1027, 1283..1314, 2349..3139		

Seq. No.	24737	Seq. ID	OJ990604_11.9920.C13
Gene No.	51391	Strand	+
Start	1	End	5101
Name	OJ990604_11.9920.C13.o2.gp	Method	AAT/GAP
Start	588	End	1017
GI	2428185	Score	809
Exons	588..1017		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	24737	Seq. ID	OJ990604_11.9920.C13
Gene No.	51391	Strand	+
Start	1	End	5101
Name	OJ990604_11.9920.C13.o2.np	Method	AAT/NAP
Start	911	End	3034
GI	4680179	Score	441
Exons	911..942, 2342..3034		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	24737	Seq. ID	OJ990604_11.9920.C13
Gene No.	51391	Strand	+
Start	1	End	5101
Name	OJ990604_11.9920.C13.o3.np	Method	AAT/NAP
Start	2342	End	5101
GI	6063554	Score	204
Exons	2342..2392, 3761..4043, 4162..4390, 4707..4734, 5049..5101		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	24737	Seq. ID	OJ990604_11.9920.C13
Gene No.	51391	Strand	+
Start	1	End	5101
Name	OJ990604_11.9920.C13.o4.gp	Method	AAT/GAP
Start	4201	End	4935
GI	101153_1.R1084	Score	584
Exons	4201..4390, 4707..4935		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	24737	Seq. ID	OJ990604_11.9920.C13
Gene No.	51391	Strand	+
Start	1	End	5101
Name	OJ990604_11.9920.C13.o5.gp	Method	AAT/GAP
Start	4953	End	5101
GI	2428185	Score	294
Exons	4953..5101		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	24737	Seq. ID	OJ990604_11.9920.C13
Gene No.	51392	Strand	-
Start	1545	End	1855
Name	OJ990604_11.9920.C13.o3.gp	Method	AAT/GAP
Start	1545	End	1855
GI	61605_3.R1084	Score	450

Exons	1545..1855		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	24737	Seq. ID	OJ990604_11.9920.C13
Gene No.	51393	Strand	-
Start	4097	End	4542
Name	OJ990604_11.9920.C13.o1.tm	Method	TBLASTX:Maize
Start	2420	End	2731
GI	none	Score	206
Exons	2420..2680, 2434..2595, 2645..2731		
Seq. No.	24737	Seq. ID	OJ990604_11.9920.C13
Gene No.	51393	Strand	-
Start	4097	End	4542
Name	OJ990604_11.9920.C13.o1.tw	Method	TBLASTX:Wheat
Start	2420	End	2714
GI	none	Score	248
Exons	2420..2680, 2434..2610, 2649..2714		
Seq. No.	24737	Seq. ID	OJ990604_11.9920.C13
Gene No.	51393	Strand	-
Start	4097	End	4542
Name	OJ990604_11.9920.C13.o2.gs	Method	GENSCAN
Start	4097	End	4481
GI	none	Score	.92
Exons	4097..4421, 4426..4481		
Seq. No.	24737	Seq. ID	OJ990604_11.9920.C13
Gene No.	51393	Strand	-
Start	4097	End	4542
Name	OJ990604_11.9920.C13.o1.np	Method	AAT/NAP
Start	4171	End	4542
GI	5852180	Score	297
Exons	4171..4542		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	24738	Seq. ID	OJ990604_11.9920.C14
Gene No.	51394	Strand	+
Start	72	End	1076
Name	OJ990604_11.9920.C14.o1.gs	Method	GENSCAN
Start	72	End	1076
GI	none	Score	.41
Exons	72..270, 900..1076		
Seq. No.	24739	Seq. ID	OJ990604_11.9920.C15
Gene No.	51395	Strand	-
Start	109	End	1194
Name	OJ990604_11.9920.C15.o1.gs	Method	GENSCAN
Start	109	End	1194
GI	none	Score	.92
Exons	109..217, 895..1194		
Seq. No.	24739	Seq. ID	OJ990604_11.9920.C15
Gene No.	51396	Strand	-
Start	1799	End	2721
Name	OJ990604_11.9920.C15.o2.gs	Method	GENSCAN

Start	1799	End	2530
GI	none	Score	.4
Exons	1799..2530		

Seq. No.	24739	Seq. ID	OJ990604_11.9920.C15
Gene No.	51396	Strand	-
Start	1799	End	2721
Name	OJ990604_11.9920.C15.o1.np	Method	AAT/NAP
Start	2021	End	2721
GI	2522230	Score	322
Exons	2021..2721		
GI Descrip.	(AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	24739	Seq. ID	OJ990604_11.9920.C15
Gene No.	51396	Strand	-
Start	1799	End	2721
Name	OJ990604_11.9920.C15.o1.tw	Method	TBLASTX:Wheat
Start	2336	End	2691
GI	none	Score	78
Exons	2336..2479, 2337..2444, 2473..2505, 2548..2691		

Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51397	Strand	+
Start	7939	End	8507
Name	OJ990604_11.9920.C16.o1.gp	Method	AAT/GAP
Start	7939	End	8507
GI	4879016	Score	820
Exons	7939..8507		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o1.np	Method	AAT/NAP
Start	656	End	4460
GI	2443320	Score	5037
Exons	656..4460		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o1.gs	Method	GENSCAN
Start	668	End	8445
GI	none	Score	.64
Exons	668..1453, 1651..2152, 2281..3551, 3735..4460, 5514..5686, 6835..6971, 7038..7246, 7252..7627, 8282..8445		

Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o3.tw	Method	TBLASTX:Wheat
Start	695	End	1183
GI	none	Score	423

Exons	695..1183, 696..1178, 1063..1182		
Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o2.tm	Method	TBLASTX:Maize
Start	707	End	1294
GI	none	Score	99
Exons	707..901, 920..1126, 1175..1294		
Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o2.ts	Method	TBLASTX:Soybean
Start	791	End	1285
GI	none	Score	220
Exons	791..895, 923..1285		
Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o1.tw	Method	TBLASTX:Wheat
Start	1256	End	2056
GI	none	Score	110
Exons	1256..1456, 1272..1448, 1453..1719, 1454..1711, 1462..1719, 1644..2045, 1705..2052, 1705..2055, 1709..2056		
Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o1.tm	Method	TBLASTX:Maize
Start	1618	End	2050
GI	none	Score	144
Exons	1618..2031, 1706..2050		
Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o1.ts	Method	TBLASTX:Soybean
Start	1732	End	2186
GI	5509260	Score	86
Exons	1732..2121, 1736..1894, 1928..2092, 2127..2186		
GI Descrip.	-		
Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o1.tc	Method	TBLASTX:Cress
Start	1831	End	2095
GI	none	Score	115
Exons	1831..2094, 1919..2095		
Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o6.tw	Method	TBLASTX:Wheat
Start	2057	End	2252

GI	none	Score	53
Exons	2057..2116, 2059..2121, 2126..2245, 2127..2243, 2127..2252		

Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o2.tc	Method	TBLASTX:Cress
Start	2394	End	2918
GI	none	Score	119
Exons	2394..2606, 2625..2702, 2712..2918		

Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o3.tm	Method	TBLASTX:Maize
Start	2481	End	2981
GI	none	Score	180
Exons	2481..2636, 2622..2699, 2718..2981		

Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o2.tw	Method	TBLASTX:Wheat
Start	2499	End	3164
GI	none	Score	568
Exons	2499..3164, 2518..3138, 2624..3148, 3033..3161		

Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o3.ts	Method	TBLASTX:Soybean
Start	2499	End	2930
GI	none	Score	90
Exons	2499..2636, 2622..2702, 2703..2930, 2704..2928		

Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o4.ts	Method	TBLASTX:Soybean
Start	2940	End	3323
GI	none	Score	107
Exons	2940..3164, 3189..3323		

Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o4.tw	Method	TBLASTX:Wheat
Start	3165	End	3467
GI	none	Score	120
Exons	3165..3386, 3184..3330, 3194..3340, 3384..3467		

Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o5.tw	Method	TBLASTX:Wheat
Start	3916	End	4262
GI	none	Score	69

Exons	3916..4128, 3918..4262		
Seq. No.	24740	Seq. ID	OJ990604_11.9920.C16
Gene No.	51398	Strand	-
Start	668	End	8445
Name	OJ990604_11.9920.C16.o7.tw	Method	TBLASTX:Wheat
Start	6905	End	7314
GI	none	Score	103
Exons	6905..6994, 6977..7093, 7096..7182, 7198..7314		
Seq. No.	24741	Seq. ID	OJ990604_11.9920.C17
Gene No.	51399	Strand	+
Start	333	End	3792
Name	OJ990604_11.9920.C17.o1.gs	Method	GENSCAN
Start	333	End	3736
GI	none	Score	.66
Exons	333..419, 656..862, 919..3066, 3105..3299, 3363..3736		
Seq. No.	24741	Seq. ID	OJ990604_11.9920.C17
Gene No.	51399	Strand	+
Start	333	End	3792
Name	OJ990604_11.9920.C17.o1.np	Method	AAT/NAP
Start	1442	End	3792
GI	6498441	Score	2871
Exons	1442..2506, 2837..3299, 3363..3792		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	24741	Seq. ID	OJ990604_11.9920.C17
Gene No.	51399	Strand	+
Start	333	End	3792
Name	OJ990604_11.9920.C17.o3.tw	Method	TBLASTX:Wheat
Start	1591	End	1983
GI	none	Score	58
Exons	1591..1638, 1645..1743, 1650..1742, 1710..1949, 1726..1983		
Seq. No.	24741	Seq. ID	OJ990604_11.9920.C17
Gene No.	51399	Strand	+
Start	333	End	3792
Name	OJ990604_11.9920.C17.o2.tm	Method	TBLASTX:Maize
Start	1596	End	1881
GI	none	Score	198
Exons	1596..1880, 1633..1881		
Seq. No.	24741	Seq. ID	OJ990604_11.9920.C17
Gene No.	51399	Strand	+
Start	333	End	3792
Name	OJ990604_11.9920.C17.o2.tw	Method	TBLASTX:Wheat
Start	2721	End	3206
GI	none	Score	314
Exons	2721..2894, 2722..3087, 2916..3077, 3078..3206, 3107..3175		
Seq. No.	24741	Seq. ID	OJ990604_11.9920.C17
Gene No.	51399	Strand	+
Start	333	End	3792
Name	OJ990604_11.9920.C17.o1.tw	Method	TBLASTX:Wheat

Start	3371	End	3791
GI	none	Score	540
Exons	3371..3790, 3372..3791, 3372..3791		

Seq. No.	24741	Seq. ID	OJ990604_11.9920.C17
Gene No.	51399	Strand	+
Start	333	End	3792
Name	OJ990604_11.9920.C17.o1.ts	Method	TBLASTX:Soybean
Start	3411	End	3776
GI	none	Score	116
Exons	3411..3635, 3642..3776		

Seq. No.	24741	Seq. ID	OJ990604_11.9920.C17
Gene No.	51399	Strand	+
Start	333	End	3792
Name	OJ990604_11.9920.C17.o1.tm	Method	TBLASTX:Maize
Start	3501	End	3791
GI	none	Score	317
Exons	3501..3791, 3536..3790		

Seq. No.	24742	Seq. ID	OJ990624_13.9921.C2
Gene No.	51400	Strand	-
Start	1	End	94
Name	OJ990624_13.9921.C2.o1.np	Method	AAT/NAP
Start	1	End	94
GI	5777617	Score	69
Exons	1..94		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	24743	Seq. ID	OJ990624_13.9921.C3
Gene No.	51401	Strand	-
Start	717	End	3028
Name	OJ990624_13.9921.C3.o1.gs	Method	GENSCAN
Start	717	End	3028
GI	none	Score	.48
Exons	717..863, 1171..1265, 1844..2031, 2886..3028		

Seq. No.	24744	Seq. ID	OJ990624_13.9921.C5
Gene No.	51402	Strand	+
Start	1	End	256
Name	OJ990624_13.9921.C5.o1.np	Method	AAT/NAP
Start	1	End	256
GI	3242730	Score	154
Exons	1..256		
GI Descrip.	(AC003040) putative acetone-cyanohydrin lyase [Arabidopsis thaliana]		

Seq. No.	24744	Seq. ID	OJ990624_13.9921.C5
Gene No.	51402	Strand	+
Start	1	End	256
Name	OJ990624_13.9921.C5.o1.gs	Method	GENSCAN
Start	101	End	253
GI	none	Score	.74
Exons	101..253		

Seq. No.	24744	Seq. ID	OJ990624_13.9921.C5
Gene No.	51403	Strand	+

Start	5030	End	5259
Name	OJ990624_13.9921.C5.o2.np	Method	AAT/NAP
Start	5030	End	5259
GI	2498779	Score	195
Exons	5030..5259		
GI Descrip.	PIR7B PROTEIN gi|629801|pir||S47087 pir7b protein - rice gi|498745|emb|CAA84026| (Z34271) Pir7b [Oryza sativa]		

Seq. No.	24744	Seq. ID	OJ990624_13.9921.C5
Gene No.	51404	Strand	-
Start	707	End	1040
Name	OJ990624_13.9921.C5.o2.gs	Method	GENSCAN
Start	707	End	1040
GI	none	Score	.48
Exons	707..934, 981..1040		

Seq. No.	24744	Seq. ID	OJ990624_13.9921.C5
Gene No.	51405	Strand	-
Start	4988	End	5119
Name	OJ990624_13.9921.C5.o3.gs	Method	GENSCAN
Start	4988	End	5119
GI	none	Score	.52
Exons	4988..5119		

Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51406	Strand	+
Start	1	End	374
Name	OJ990624_13.9921.C6.o1.np	Method	AAT/NAP
Start	1	End	371
GI	3242722	Score	260
Exons	1..371		
GI Descrip.	(AC003040) putative acetone-cyanohydrin lyase [Arabidopsis thaliana]		

Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51406	Strand	+
Start	1	End	374
Name	OJ990624_13.9921.C6.o1.gs	Method	GENSCAN
Start	57	End	374
GI	none	Score	1
Exons	57..374		

Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51407	Strand	+
Start	4477	End	8646
Name	OJ990624_13.9921.C6.o2.np	Method	AAT/NAP
Start	4477	End	8646
GI	4234852	Score	4441
Exons	4477..4637, 4680..8646		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51408	Strand	-
Start	1120	End	3602
Name	OJ990624_13.9921.C6.o5.tm	Method	TBLASTX:Maize
Start	8	End	254
GI	none	Score	227

Exons	8..106, 9..254, 155..244, 156..254		
Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51408	Strand	-
Start	1120	End	3602
Name	OJ990624_13.9921.C6.o2.tc	Method	TBLASTX:Cress
Start	39	End	353
GI	none	Score	224
Exons	39..353, 44..94, 165..332, 170..352		
Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51408	Strand	-
Start	1120	End	3602
Name	OJ990624_13.9921.C6.o2.gs	Method	GENSCAN
Start	1120	End	3602
GI	none	Score	.66
Exons	1120..1189, 1218..1439, 2718..2828, 3469..3602		
Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51409	Strand	
Start	4569	End	5580
Name	OJ990624_13.9921.C6.o1.tm	Method	TBLASTX:Maize
Start	4569	End	5580
GI	none	Score	588
Exons	4569..5147, 4570..5178, 5188..5319, 5259..5300, 5424..5474, 5515..5580		
Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51410	Strand	
Start	5500	End	6621
Name	OJ990624_13.9921.C6.o4.tw	Method	TBLASTX:Wheat
Start	5500	End	5937
GI	none	Score	115
Exons	5500..5697, 5767..5937		
Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51410	Strand	
Start	5500	End	6621
Name	OJ990624_13.9921.C6.o2.ts	Method	TBLASTX:Soybean
Start	5794	End	6180
GI	none	Score	344
Exons	5794..6180, 5805..6011		
Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51410	Strand	
Start	5500	End	6621
Name	OJ990624_13.9921.C6.o2.tw	Method	TBLASTX:Wheat
Start	5956	End	6618
GI	none	Score	252
Exons	5956..6195, 5970..6194, 6235..6540, 6258..6518, 6519..6593, 6520..6618		
Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51410	Strand	
Start	5500	End	6621
Name	OJ990624_13.9921.C6.o4.tm	Method	TBLASTX:Maize
Start	5971	End	6429

GI	none	Score	128
Exons	5971..6195, 6244..6429, 6246..6407		
Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51410	Strand	
Start	5500	End	6621
Name	OJ990624_13.9921.C6.o3.tc	Method	TBLASTX:Cress
Start	6235	End	6615
GI	none	Score	123
Exons	6235..6435, 6448..6615		
Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51410	Strand	
Start	5500	End	6621
Name	OJ990624_13.9921.C6.o4.ts	Method	TBLASTX:Soybean
Start	6235	End	6621
GI	none	Score	186
Exons	6235..6444, 6237..6416, 6448..6621		
Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51411	Strand	
Start	7132	End	8607
Name	OJ990624_13.9921.C6.o1.ts	Method	TBLASTX:Soybean
Start	7132	End	7569
GI	5509260	Score	365
Exons	7132..7569, 7221..7493, 7536..7568		
GI Descrip.	-		
Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51411	Strand	
Start	7132	End	8607
Name	OJ990624_13.9921.C6.o1.tc	Method	TBLASTX:Cress
Start	7219	End	7479
GI	none	Score	249
Exons	7219..7479, 7221..7457		
Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51411	Strand	
Start	7132	End	8607
Name	OJ990624_13.9921.C6.o1.tw	Method	TBLASTX:Wheat
Start	7260	End	8040
GI	none	Score	364
Exons	7260..7607, 7261..7605, 7261..7614, 7590..8036, 7591..8040		
Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51411	Strand	
Start	7132	End	8607
Name	OJ990624_13.9921.C6.o3.tm	Method	TBLASTX:Maize
Start	7261	End	7704
GI	none	Score	275
Exons	7261..7569, 7278..7568, 7603..7704		
Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51411	Strand	
Start	7132	End	8607
Name	OJ990624_13.9921.C6.o2.tm	Method	TBLASTX:Maize
Start	7705	End	8136

GI	none	Score	81
Exons	7705..7866, 7840..8136, 7980..8135		

Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51411	Strand	
Start	7132	End	8607
Name	OJ990624_13.9921.C6.o3.ts	Method	TBLASTX:Soybean
Start	8026	End	8592
GI	none	Score	131
Exons	8026..8208, 8217..8318, 8221..8412, 8401..8592		

Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51411	Strand	
Start	7132	End	8607
Name	OJ990624_13.9921.C6.o6.tm	Method	TBLASTX:Maize
Start	8149	End	8607
GI	none	Score	55
Exons	8149..8208, 8191..8367, 8416..8607		

Seq. No.	24745	Seq. ID	OJ990624_13.9921.C6
Gene No.	51411	Strand	
Start	7132	End	8607
Name	OJ990624_13.9921.C6.o3.tw	Method	TBLASTX:Wheat
Start	8196	End	8595
GI	none	Score	278
Exons	8196..8429, 8200..8595		

Seq. No.	24746	Seq. ID	OJ990624_13.9921.C7
Gene No.	51412	Strand	+
Start	1007	End	4134
Name	OJ990624_13.9921.C7.o1.gs	Method	GENSCAN
Start	1007	End	4134
GI	none	Score	.56
Exons	1007..1243, 1278..1430, 2465..2632, 2716..2782, 2859..2970, 3043..3112, 3209..3287, 3377..3597, 3736..4134		

Seq. No.	24746	Seq. ID	OJ990624_13.9921.C7
Gene No.	51413	Strand	+
Start	4913	End	5163
Name	OJ990624_13.9921.C7.o1.gp	Method	AAT/GAP
Start	4913	End	5163
GI	4219_1.R1084	Score	450
Exons	4913..5163		
GI Descrip.	'4490321/emb|CAB38705.1| 2.0e-09 (AJ011604) nitrate transporter [Arabidopsis thaliana]'		

Seq. No.	24747	Seq. ID	OJ990624_13.9921.C10
Gene No.	51414	Strand	-
Start	219	End	1757
Name	OJ990624_13.9921.C10.o1.gs	Method	GENSCAN
Start	219	End	1757
GI	none	Score	.49
Exons	219..393, 1705..1757		

Seq. No.	24748	Seq. ID	OJ990624_13.9921.C11
Gene No.	51415	Strand	-
Start	1804	End	1934

Name	OJ990624_13.9921.C11.o1.gs	Method	GENSCAN
Start	1804	End	1934
GI	none	Score	.84
Exons	1804..1934		

Seq. No.	24749	Seq. ID	OJ990624_13.9921.C12
Gene No.	51416	Strand	+
Start	1374	End	1603
Name	OJ990624_13.9921.C12.o1.np	Method	AAT/NAP
Start	1374	End	1603
GI	4150908	Score	128
Exons	1374..1603		
GI Descrip.	(Y18166) calmodulin [Suberites domuncula]		

Seq. No.	24750	Seq. ID	OJ990624_13.9921.C14
Gene No.	51417	Strand	+
Start	77	End	108
Name	OJ990624_13.9921.C14.o1.gs	Method	GENSCAN
Start	77	End	108
GI	none	Score	.76
Exons	77..108		

Seq. No.	24750	Seq. ID	OJ990624_13.9921.C14
Gene No.	51418	Strand	+
Start	857	End	936
Name	OJ990624_13.9921.C14.o1.gp	Method	AAT/GAP
Start	857	End	936
GI	3761683	Score	122
Exons	857..936		
GI Descrip.	2760834/gb|AAB95302.1| 1.0e-12 (AC003105) putative nitrate transporter [Arabidopsis thaliana]		

Seq. No.	24751	Seq. ID	OJ990624_13.9921.C16
Gene No.	51419	Strand	+
Start	578	End	747
Name	OJ990624_13.9921.C16.o1.gs	Method	GENSCAN
Start	578	End	747
GI	none	Score	.73
Exons	578..665, 732..747		

Seq. No.	24751	Seq. ID	OJ990624_13.9921.C16
Gene No.	51420	Strand	-
Start	1	End	809
Name	OJ990624_13.9921.C16.o1.np	Method	AAT/NAP
Start	1	End	809
GI	1196998	Score	854
Exons	1..809		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		

Seq. No.	24752	Seq. ID	OJ990624_13.9921.C17
Gene No.	51421	Strand	-

Start	629	End	1198
Name	OJ990624_13.9921.C17.o1.gp	Method	AAT/GAP
Start	629	End	1198
GI	4879016	Score	847
Exons	629..1198		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	24753	Seq. ID	OJ990624_13.9921.C18
Gene No.	51422	Strand	+
Start	2612	End	2820
Name	OJ990624_13.9921.C18.o1.gp	Method	AAT/GAP
Start	2612	End	2820
GI	LIB3431-028-P1-N1-A7	Score	398
Exons	2612..2820		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	24753	Seq. ID	OJ990624_13.9921.C18
Gene No.	51423	Strand	+
Start	4708	End	7742
Name	OJ990624_13.9921.C18.o3.gs	Method	GENSCAN
Start	4708	End	7742
GI	none	Score	.64
Exons	4708..4719, 4939..5079, 5433..5519, 6731..6927, 7050..7506, 7508..7742		

Seq. No.	24753	Seq. ID	OJ990624_13.9921.C18
Gene No.	51424	Strand	-
Start	2831	End	3604
Name	OJ990624_13.9921.C18.o2.tm	Method	TBLASTX:Maize
Start	2805	End	3545
GI	none	Score	44
Exons	2805..2828, 2834..2947, 2864..3070, 2937..3017, 3038..3079, 3178..3264, 3316..3423, 3317..3412, 3417..3545		

Seq. No.	24753	Seq. ID	OJ990624_13.9921.C18
Gene No.	51424	Strand	-
Start	2831	End	3604
Name	OJ990624_13.9921.C18.o1.np	Method	AAT/NAP
Start	2828	End	3557
GI	4127348	Score	510
Exons	2828..3264, 3295..3557		
GI Descrip.	(AJ010449) glutathione transferase [Alopecurus myosuroides]		

Seq. No.	24753	Seq. ID	OJ990624_13.9921.C18
Gene No.	51424	Strand	-
Start	2831	End	3604
Name	OJ990624_13.9921.C18.o2.gs	Method	GENSCAN
Start	2831	End	3581
GI	none	Score	.86
Exons	2831..2972, 3200..3367, 3394..3581		

Seq. No.	24753	Seq. ID	OJ990624_13.9921.C18
Gene No.	51424	Strand	-

Start	2831	End	3604
Name	OJ990624_13.9921.C18.o1.tc	Method	TBLASTX:Cress
Start	2903	End	3545
GI	none	Score	71
Exons	2903..3064, 3325..3423, 3326..3409, 3417..3545		

Seq. No.	24753	Seq. ID	OJ990624_13.9921.C18
Gene No.	51424	Strand	-
Start	2831	End	3604
Name	OJ990624_13.9921.C18.o2.gp	Method	AAT/GAP
Start	3185	End	3604
GI	LIB3431-028-P1-K1-A7	Score	753
Exons	3185..3604		
GI Descrip.	'4127348/emb|CAA09188| 6.0e-26 (AJ010449) glutathione transferase [Alopecurus myosuroides]'		

Seq. No.	24753	Seq. ID	OJ990624_13.9921.C18
Gene No.	51424	Strand	-
Start	2831	End	3604
Name	OJ990624_13.9921.C18.o1.tw	Method	TBLASTX:Wheat
Start	3316	End	3557
GI	none	Score	120
Exons	3316..3423, 3317..3412, 3343..3435, 3417..3467, 3424..3465, 3456..3557, 3465..3545		

Seq. No.	24753	Seq. ID	OJ990624_13.9921.C18
Gene No.	51424	Strand	-
Start	2831	End	3604
Name	OJ990624_13.9921.C18.o2.ts	Method	TBLASTX:Soybean
Start	3316	End	3542
GI	none	Score	93
Exons	3316..3423, 3317..3412, 3417..3542, 3417..3539		

Seq. No.	24753	Seq. ID	OJ990624_13.9921.C18
Gene No.	51425	Strand	
Start	7186	End	7686
Name	OJ990624_13.9921.C18.o1.tm	Method	TBLASTX:Maize
Start	7186	End	7686
GI	none	Score	128
Exons	7186..7311, 7329..7376, 7330..7377, 7387..7440, 7477..7542, 7497..7616, 7540..7629, 7540..7686, 7541..7684		

Seq. No.	24753	Seq. ID	OJ990624_13.9921.C18
Gene No.	51425	Strand	
Start	7186	End	7686
Name	OJ990624_13.9921.C18.o1.ts	Method	TBLASTX:Soybean
Start	7219	End	7654
GI	none	Score	81
Exons	7219..7341, 7477..7506, 7505..7654, 7505..7606, 7507..7626		

Seq. No.	24754	Seq. ID	OJ990624_13.9921.C19
Gene No.	51426	Strand	+
Start	213	End	3294
Name	OJ990624_13.9921.C19.o1.np	Method	AAT/NAP
Start	213	End	3294
GI	3702805	Score	348
Exons	213..327, 403..462, 581..670, 1232..1359, 1593..1678,		

2208..2292, 2374..2518, 2595..2699, 2891..2971, 3063..3124, 3222..3294

GI Descrip. (AF056335) NADP-specific glutamate dehydrogenase [Bacillus licheniformis] gi|3822407 (AF092086) NADP-specific glutamate dehydrogenase [Bacillus licheniformis]

Seq. No.	24754	Seq. ID	OJ990624_13.9921.C19
Gene No.	51426	Strand	+
Start	213	End	3294
Name	OJ990624_13.9921.C19.o1.gs	Method	GENSCAN
Start	241	End	2977
GI	none	Score	.67
Exons	241..327, 403..462, 581..667, 1232..1303, 1456..1511, 1593..1678, 2208..2298, 2374..2531, 2608..2699, 2891..2977		

Seq. No.	24754	Seq. ID	OJ990624_13.9921.C19
Gene No.	51427	Strand	-
Start	3319	End	3603
Name	OJ990624_13.9921.C19.o1.gp	Method	AAT/GAP
Start	3319	End	3603
GI	uC-osf1M2020117h06a1	Score	562
Exons	3319..3603		

GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	24754	Seq. ID	OJ990624_13.9921.C19
Gene No.	51428	Strand	-
Start	4070	End	10167
Name	OJ990624_13.9921.C19.o1.tm	Method	TBLASTX:Maize
Start	207	End	1503
GI	none	Score	95
Exons	207..308, 211..315, 218..331, 242..328, 380..463, 400..483, 402..482, 578..667, 578..667, 579..668, 586..672, 1229..1306, 1229..1306, 1231..1338, 1456..1503		

Seq. No.	24754	Seq. ID	OJ990624_13.9921.C19
Gene No.	51428	Strand	-
Start	4070	End	10167
Name	OJ990624_13.9921.C19.o1.ts	Method	TBLASTX:Soybean
Start	211	End	2627
GI	none	Score	130
Exons	211..315, 227..325, 400..462, 400..462, 402..482, 578..667, 586..666, 604..669, 1229..1306, 1231..1356, 1455..1514, 1456..1512, 1590..1676, 1591..1677, 2201..2299, 2206..2295, 2372..2530, 2401..2529, 2603..2626, 2604..2627		

Seq. No.	24754	Seq. ID	OJ990624_13.9921.C19
Gene No.	51428	Strand	-
Start	4070	End	10167
Name	OJ990624_13.9921.C19.o2.ts	Method	TBLASTX:Soybean
Start	2890	End	3297
GI	none	Score	88
Exons	2890..2973, 2891..2971, 3059..3136, 3060..3137, 3223..3297, 3228..3287		

Seq. No.	24754	Seq. ID	OJ990624_13.9921.C19
Gene No.	51428	Strand	-

Start	4070	End	10167
Name	OJ990624_13.9921.C19.o2.gp	Method	AAT/GAP
Start	3757	End	4056
GI	699958	Score	538
Exons	3757..4056		

Seq. No.	24754	Seq. ID	OJ990624_13.9921.C19
Gene No.	51428	Strand	-
Start	4070	End	10167
Name	OJ990624_13.9921.C19.o2.gs	Method	GENSCAN
Start	4070	End	10167
GI	none	Score	.73
Exons	4070..4131, 4237..4309, 4589..4673, 4812..4903, 5260..5388, 6034..6091, 6229..6298, 6424..6457, 6631..6698, 6878..7079, 7595..7645, 10046..10167		

Seq. No.	24754	Seq. ID	OJ990624_13.9921.C19
Gene No.	51428	Strand	-
Start	4070	End	10167
Name	OJ990624_13.9921.C19.o3.gp	Method	AAT/GAP
Start	6017	End	7103
GI	4968586	Score	539
Exons	6017..6091, 6229..6298, 6424..6457, 6631..6698, 6838..6903, 7036..7103		

Seq. No.	24755	Seq. ID	OJ990624_13.9921.C23
Gene No.	51429	Strand	+
Start	24	End	1733
Name	OJ990624_13.9921.C23.o1.tm	Method	TBLASTX:Maize
Start	12	End	1374
GI	none	Score	282
Exons	12..206, 13..207, 13..207, 1194..1373, 1205..1372, 1216..1374		

Seq. No.	24755	Seq. ID	OJ990624_13.9921.C23
Gene No.	51429	Strand	+
Start	24	End	1733
Name	OJ990624_13.9921.C23.o1.np	Method	AAT/NAP
Start	24	End	1733
GI	6714422	Score	286
Exons	24..206, 1204..1733		
GI Descrip.	(AC012328) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24755	Seq. ID	OJ990624_13.9921.C23
Gene No.	51429	Strand	+
Start	24	End	1733
Name	OJ990624_13.9921.C23.o1.gs	Method	GENSCAN
Start	112	End	1326
GI	none	Score	.66
Exons	112..206, 1204..1326		

Seq. No.	24756	Seq. ID	OJ990624_13.9921.C24
Gene No.	51430	Strand	-
Start	140	End	295
Name	OJ990624_13.9921.C24.o1.gs	Method	GENSCAN
Start	140	End	295
GI	none	Score	.73
Exons	140..295		

Seq. No.	24757	Seq. ID	OJ990624_13.9921.C25
Gene No.	51431	Strand	-
Start	42	End	1220
Name	OJ990624_13.9921.C25.o1.gs	Method	GENSCAN
Start	42	End	809
GI	none	Score	.45
Exons	42..809		

Seq. No.	24757	Seq. ID	OJ990624_13.9921.C25
Gene No.	51431	Strand	-
Start	42	End	1220
Name	OJ990624_13.9921.C25.o1.tc	Method	TBLASTX:Cress
Start	111	End	803
GI	none	Score	162
Exons	111..332, 112..285, 363..437, 367..456, 516..803, 694..786		

Seq. No.	24757	Seq. ID	OJ990624_13.9921.C25
Gene No.	51431	Strand	-
Start	42	End	1220
Name	OJ990624_13.9921.C25.o1.ts	Method	TBLASTX:Soybean
Start	111	End	803
GI	none	Score	180
Exons	111..437, 112..297, 504..803, 694..789		

Seq. No.	24757	Seq. ID	OJ990624_13.9921.C25
Gene No.	51431	Strand	-
Start	42	End	1220
Name	OJ990624_13.9921.C25.o1.tm	Method	TBLASTX:Maize
Start	111	End	813
GI	none	Score	368
Exons	111..437, 112..510, 430..462, 457..813, 495..806		

Seq. No.	24757	Seq. ID	OJ990624_13.9921.C25
Gene No.	51431	Strand	-
Start	42	End	1220
Name	OJ990624_13.9921.C25.o1.tw	Method	TBLASTX:Wheat
Start	111	End	462
GI	none	Score	252
Exons	111..332, 118..300, 348..434, 360..440, 367..462		

Seq. No.	24757	Seq. ID	OJ990624_13.9921.C25
Gene No.	51431	Strand	-
Start	42	End	1220
Name	OJ990624_13.9921.C25.o1.gp	Method	AAT/GAP
Start	117	End	333
GI	LIB3431-060-P1-K1-F11	Score	357
Exons	117..333		
GI Descrip.	'3068713 2.0e-56 (AF049236) unknown [Arabidopsis thaliana]'		

Seq. No.	24757	Seq. ID	OJ990624_13.9921.C25
Gene No.	51431	Strand	-
Start	42	End	1220
Name	OJ990624_13.9921.C25.o1.np	Method	AAT/NAP
Start	117	End	1220
GI	3063392	Score	623
Exons	117..803, 1174..1220		

GI Descrip. (AB012932) Ca2+/H+ exchanger [Vigna radiata]

Seq. No.	24758	Seq. ID	OJ990624_13.9921.C26
Gene No.	51432	Strand	-
Start	1	End	2458
Name	OJ990624_13.9921.C26.o1.np	Method	AAT/NAP
Start	1	End	2289
GI	3335365	Score	224
Exons	1..95, 198..265, 2004..2289		

GI Descrip. (AC003028) high affinity Ca2+ antiporter [Arabidopsis thaliana]

Seq. No.	24758	Seq. ID	OJ990624_13.9921.C26
Gene No.	51432	Strand	-
Start	1	End	2458
Name	OJ990624_13.9921.C26.o1.gs	Method	GENSCAN
Start	67	End	2261
GI	none	Score	.52
Exons	67..95, 198..265, 2004..2261		

Seq. No.	24758	Seq. ID	OJ990624_13.9921.C26
Gene No.	51432	Strand	-
Start	1	End	2458
Name	OJ990624_13.9921.C26.o1.tm	Method	TBLASTX:Maize
Start	68	End	2198
GI	none	Score	94
Exons	68..94, 177..266, 197..268, 198..266, 2001..2162, 2002..2139, 2142..2198		

Seq. No.	24758	Seq. ID	OJ990624_13.9921.C26
Gene No.	51432	Strand	-
Start	1	End	2458
Name	OJ990624_13.9921.C26.o1.tc	Method	TBLASTX:Cress
Start	180	End	2196
GI	none	Score	62
Exons	180..257, 197..292, 2010..2195, 2026..2196		

Seq. No.	24758	Seq. ID	OJ990624_13.9921.C26
Gene No.	51432	Strand	-
Start	1	End	2458
Name	OJ990624_13.9921.C26.o1.gp	Method	AAT/GAP
Start	186	End	2458
GI	10446_1.R1084	Score	953
Exons	186..265, 2004..2458		

GI Descrip. '3335365 9.0e-21 (AC003028) high affinity calcium antiporter [Arabidopsis thaliana]'

Seq. No.	24758	Seq. ID	OJ990624_13.9921.C26
Gene No.	51432	Strand	-
Start	1	End	2458
Name	OJ990624_13.9921.C26.o1.ts	Method	TBLASTX:Soybean
Start	197	End	2195
GI	none	Score	84
Exons	197..262, 2010..2195, 2011..2190		

Seq. No.	24759	Seq. ID	OJ990624_13.9921.C27
Gene No.	51433	Strand	+
Start	1	End	2265

Name	OJ990624_13.9921.C27.o1.np	Method	AAT/NAP
Start	1	End	2265
GI	5852093	Score	63
Exons	1..32, 413..518, 2245..2265		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	24759	Seq. ID	OJ990624_13.9921.C27
Gene No.	51434	Strand	-
Start	3094	End	6208
Name	OJ990624_13.9921.C27.o2.np	Method	AAT/NAP
Start	3094	End	6208
GI	5917666	Score	124
Exons	3094..3241, 3902..4188, 4983..5066, 5712..6208		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	24759	Seq. ID	OJ990624_13.9921.C27
Gene No.	51434	Strand	-
Start	3094	End	6208
Name	OJ990624_13.9921.C27.o2.gs	Method	GENSCAN
Start	3671	End	5969
GI	none	Score	.61
Exons	3671..3742, 3933..4070, 4262..4327, 4886..5013, 5463..5591, 5911..5969		

Seq. No.	24760	Seq. ID	OJ990624_13.9921.C28
Gene No.	51435	Strand	+
Start	247	End	1243
Name	OJ990624_13.9921.C28.o1.gs	Method	GENSCAN
Start	247	End	1243
GI	none	Score	.53
Exons	247..852, 1016..1243		

Seq. No.	24760	Seq. ID	OJ990624_13.9921.C28
Gene No.	51435	Strand	+
Start	247	End	1243
Name	OJ990624_13.9921.C28.o1.tm	Method	TBLASTX:Maize
Start	429	End	752
GI	none	Score	56
Exons	429..461, 536..736, 537..752		

Seq. No.	24761	Seq. ID	OJ990624_13.9921.C29
Gene No.	51436	Strand	+
Start	4300	End	8686
Name	OJ990624_13.9921.C29.o3.np	Method	AAT/NAP
Start	4300	End	8686
GI	5091513	Score	1148
Exons	4300..4350, 6978..8132, 8622..8686		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	24761	Seq. ID	OJ990624_13.9921.C29
Gene No.	51436	Strand	+
Start	4300	End	8686
Name	OJ990624_13.9921.C29.o3.gs	Method	GENSCAN
Start	7508	End	7954
GI	none	Score	.99
Exons	7508..7954		

Seq. No.	24761	Seq. ID	OJ990624_13.9921.C29
Gene No.	51437	Strand	-
Start	5612	End	7337
Name	OJ990624_13.9921.C29.o4.tw	Method	TBLASTX:Wheat
Start	163	End	517
GI	none	Score	100
Exons	163..294, 167..313, 292..384, 293..517, 436..513		

Seq. No.	24761	Seq. ID	OJ990624_13.9921.C29
Gene No.	51437	Strand	-
Start	5612	End	7337
Name	OJ990624_13.9921.C29.o5.tw	Method	TBLASTX:Wheat
Start	739	End	1149
GI	none	Score	80
Exons	739..918, 815..937, 936..1139, 937..1149		

Seq. No.	24761	Seq. ID	OJ990624_13.9921.C29
Gene No.	51437	Strand	-
Start	5612	End	7337
Name	OJ990624_13.9921.C29.o4.tm	Method	TBLASTX:Maize
Start	1163	End	1340
GI	none	Score	197
Exons	1163..1333, 1167..1340		

Seq. No.	24761	Seq. ID	OJ990624_13.9921.C29
Gene No.	51437	Strand	-
Start	5612	End	7337
Name	OJ990624_13.9921.C29.o1.tm	Method	TBLASTX:Maize
Start	1425	End	2390
GI	none	Score	153
Exons	1425..1586, 1448..1588, 1504..1902, 1584..1868, 1881..2390, 1913..2050		

Seq. No.	24761	Seq. ID	OJ990624_13.9921.C29
Gene No.	51437	Strand	-
Start	5612	End	7337
Name	OJ990624_13.9921.C29.o3.tw	Method	TBLASTX:Wheat
Start	1473	End	1791
GI	none	Score	140
Exons	1473..1589, 1583..1750, 1584..1724, 1585..1788, 1587..1751, 1726..1791		

Seq. No.	24761	Seq. ID	OJ990624_13.9921.C29
Gene No.	51437	Strand	-
Start	5612	End	7337
Name	OJ990624_13.9921.C29.o6.tw	Method	TBLASTX:Wheat
Start	1792	End	2138
GI	none	Score	82
Exons	1792..1866, 1794..1871, 1914..2066, 2058..2138		

Seq. No.	24761	Seq. ID	OJ990624_13.9921.C29
Gene No.	51437	Strand	-
Start	5612	End	7337
Name	OJ990624_13.9921.C29.o1.ts	Method	TBLASTX:Soybean
Start	1995	End	2522
GI	none	Score	56
Exons	1995..2051, 2136..2348, 2337..2522		

Seq. No.	24761	Seq. ID	OJ990624_13.9921.C29
Gene No.	51437	Strand	-
Start	5612	End	7337
Name	OJ990624_13.9921.C29.o2.tw	Method	TBLASTX:Wheat
Start	2145	End	2696
GI	none	Score	286
Exons	2145..2507, 2354..2494, 2514..2552, 2598..2696		

Seq. No.	24761	Seq. ID	OJ990624_13.9921.C29
Gene No.	51437	Strand	-
Start	5612	End	7337
Name	OJ990624_13.9921.C29.o2.tm	Method	TBLASTX:Maize
Start	2594	End	3065
GI	none	Score	338
Exons	2594..2782, 2595..2966, 2595..2966, 2979..3065, 2984..3064		

Seq. No.	24761	Seq. ID	OJ990624_13.9921.C29
Gene No.	51437	Strand	-
Start	5612	End	7337
Name	OJ990624_13.9921.C29.o1.tw	Method	TBLASTX:Wheat
Start	2790	End	3155
GI	none	Score	351
Exons	2790..3155, 2793..3041		

Seq. No.	24761	Seq. ID	OJ990624_13.9921.C29
Gene No.	51437	Strand	-
Start	5612	End	7337
Name	OJ990624_13.9921.C29.o3.tm	Method	TBLASTX:Maize
Start	3236	End	3530
GI	none	Score	198
Exons	3236..3418, 3237..3434, 3429..3530		

Seq. No.	24761	Seq. ID	OJ990624_13.9921.C29
Gene No.	51437	Strand	-
Start	5612	End	7337
Name	OJ990624_13.9921.C29.o2.gs	Method	GENSCAN
Start	5612	End	7337
GI	none	Score	.6
Exons	5612..5790, 6494..6777, 6863..7031, 7082..7210, 7259..7337		

Seq. No.	24762	Seq. ID	OJ990624_13.9921.C30
Gene No.	51438	Strand	+
Start	294	End	551
Name	OJ990624_13.9921.C30.o1.gs	Method	GENSCAN
Start	294	End	551
GI	none	Score	.73
Exons	294..551		

Seq. No.	24762	Seq. ID	OJ990624_13.9921.C30
Gene No.	51439	Strand	-
Start	1	End	190
Name	OJ990624_13.9921.C30.o1.np	Method	AAT/NAP
Start	1	End	190
GI	5091512	Score	269
Exons	1..190		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein		

gene, complete cds.(M11926) [Oryza sativa]

Seq. No.	24762	Seq. ID	OJ990624_13.9921.C30
Gene No.	51440	Strand	-
Start	2687	End	5217
Name	OJ990624_13.9921.C30.o3.gs	Method	GENSCAN
Start	2687	End	5217
GI	none	Score	.62
Exons	2687..2778, 3160..3362, 4441..4598, 5044..5217		

Seq. No.	24763	Seq. ID	OJ990624_13.9921.C33
Gene No.	51441	Strand	+
Start	1	End	78
Name	OJ990624_13.9921.C33.o1.gp	Method	AAT/GAP
Start	1	End	78
GI	LIB3479-006-Q6-K1-B11	Score	120
Exons	1..78		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	24763	Seq. ID	OJ990624_13.9921.C33
Gene No.	51442	Strand	+
Start	1608	End	2920
Name	OJ990624_13.9921.C33.o1.gs	Method	GENSCAN
Start	1608	End	2920
GI	none	Score	.62
Exons	1608..2124, 2193..2920		

Seq. No.	24763	Seq. ID	OJ990624_13.9921.C33
Gene No.	51443	Strand	-
Start	1	End	624
Name	OJ990624_13.9921.C33.o1.np	Method	AAT/NAP
Start	1	End	624
GI	6630699	Score	80
Exons	1..80, 366..624		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	24764	Seq. ID	OJ990624_13.9921.C34
Gene No.	51444	Strand	-
Start	495	End	895
Name	OJ990624_13.9921.C34.o1.gp	Method	AAT/GAP
Start	495	End	895
GI	none	Score	775
Exons	495..895		

Seq. No.	24765	Seq. ID	OJ990624_13.9921.C35
Gene No.	51445	Strand	-
Start	1	End	682
Name	OJ990624_13.9921.C35.o1.np	Method	AAT/NAP
Start	1	End	682
GI	2760834	Score	697
Exons	1..682		
GI Descrip.	(AC003105) putative nitrate transporter [Arabidopsis thaliana]		

Seq. No.	24765	Seq. ID	OJ990624_13.9921.C35

Gene No.	51445	Strand	-
Start	1	End	682
Name	OJ990624_13.9921.C35.o1.tm	Method	TBLASTX:Maize
Start	112	End	495
GI	none	Score	286
Exons	112..495		

Seq. No.	24765	Seq. ID	OJ990624_13.9921.C35
Gene No.	51445	Strand	-
Start	1	End	682
Name	OJ990624_13.9921.C35.o1.tc	Method	TBLASTX:Cress
Start	118	End	682
GI	none	Score	95
Exons	118..492, 122..271, 392..493, 508..681, 509..682		

Seq. No.	24765	Seq. ID	OJ990624_13.9921.C35
Gene No.	51445	Strand	-
Start	1	End	682
Name	OJ990624_13.9921.C35.o1.gs	Method	GENSCAN
Start	145	End	660
GI	none	Score	.9
Exons	145..660		

Seq. No.	24765	Seq. ID	OJ990624_13.9921.C35
Gene No.	51445	Strand	-
Start	1	End	682
Name	OJ990624_13.9921.C35.o1.ts	Method	TBLASTX:Soybean
Start	277	End	682
GI	none	Score	96
Exons	277..522, 392..454, 505..681, 506..682		

Seq. No.	24765	Seq. ID	OJ990624_13.9921.C35
Gene No.	51445	Strand	-
Start	1	End	682
Name	OJ990624_13.9921.C35.o1.gp	Method	AAT/GAP
Start	527	End	682
GI	3761683	Score	270
Exons	527..682		
GI Descrip.	2760834/gb|AAB95302.1| 1.0e-12 (AC003105) putative nitrate transporter [Arabidopsis thaliana]		

Seq. No.	24766	Seq. ID	OJ990624_13.9921.C37
Gene No.	51446	Strand	+
Start	126	End	395
Name	OJ990624_13.9921.C37.o1.gs	Method	GENSCAN
Start	126	End	395
GI	none	Score	.51
Exons	126..395		

Seq. No.	24767	Seq. ID	OJ990324_10.9922.C1
Gene No.	51447	Strand	-
Start	139	End	453
Name	OJ990324_10.9922.C1.o1.gs	Method	GENSCAN
Start	139	End	453
GI	none	Score	.94
Exons	139..328, 425..453		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o1.np	Method	AAT/NAP
Start	773	End	7506
GI	5257279	Score	6890
Exons	773..1318, 1667..1902, 2539..5257, 5474..5632, 5747..6347, 7285..7506		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o1.gs	Method	GENSCAN
Start	974	End	6550
GI	none	Score	.41
Exons	974..1630, 1697..1802, 1819..2016, 2379..3422, 3450..6220, 6269..6550		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o8.tw	Method	TBLASTX:Wheat
Start	2432	End	2818
GI	none	Score	158
Exons	2432..2647, 2454..2492, 2476..2637, 2672..2818		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o5.tm	Method	TBLASTX:Maize
Start	3365	End	3690
GI	none	Score	207
Exons	3365..3688, 3412..3513, 3556..3690		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o7.tw	Method	TBLASTX:Wheat
Start	3370	End	3748
GI	none	Score	137
Exons	3370..3492, 3371..3592, 3590..3742, 3626..3748, 3637..3747		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o1.gp	Method	AAT/GAP
Start	3729	End	5090
GI	4107139	Score	2540
Exons	3729..5090		
GI Descrip.	5257279/dbj|BAA81778.1| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506

Name	OJ990324_10.9922.C3.o7.tm	Method	TBLASTX:Maize
Start	3823	End	3985
GI	none	Score	189
Exons	3823..3984, 3824..3985		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o4.tw	Method	TBLASTX:Wheat
Start	3920	End	4402
GI	none	Score	538
Exons	3920..4402, 3931..4227, 3980..4369, 4255..4398		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o3.tm	Method	TBLASTX:Maize
Start	3986	End	4456
GI	none	Score	401
Exons	3986..4456		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	4343	End	4738
GI	none	Score	54
Exons	4343..4375, 4373..4708, 4374..4532, 4379..4738, 4381..4737		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o5.tw	Method	TBLASTX:Wheat
Start	4451	End	4753
GI	none	Score	401
Exons	4451..4753, 4451..4687, 4453..4737		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o6.tm	Method	TBLASTX:Maize
Start	4457	End	4620
GI	none	Score	203
Exons	4457..4618, 4457..4612, 4462..4620		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	4624	End	5065
GI	none	Score	458
Exons	4624..5052, 4625..5065		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o3.tw	Method	TBLASTX:Wheat

Start	4754	End	5218
GI	none	Score	581
Exons	4754..5218, 4782..5012, 4789..5166		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o3.ts	Method	TBLASTX:Soybean
Start	4760	End	5005
GI	none	Score	209
Exons	4760..5005		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o2.tw	Method	TBLASTX:Wheat
Start	5219	End	5746
GI	none	Score	622
Exons	5219..5746, 5248..5742		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	5453	End	5770
GI	none	Score	107
Exons	5453..5620, 5453..5620, 5627..5770, 5629..5769		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o2.ts	Method	TBLASTX:Soybean
Start	5545	End	5791
GI	none	Score	274
Exons	5545..5790, 5546..5791		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o4.tm	Method	TBLASTX:Maize
Start	5593	End	5884
GI	none	Score	370
Exons	5593..5880, 5594..5884		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	5753	End	6379
GI	none	Score	680
Exons	5753..6379, 5755..6378		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	5936	End	6520

GI	none	Score	218
Exons	5936..6094, 5938..6090, 5964..6098, 6032..6232, 6087..6233, 6091..6450, 6091..6507, 6092..6520		

Seq. No.	24768	Seq. ID	OJ990324_10.9922.C3
Gene No.	51448	Strand	+
Start	773	End	7506
Name	OJ990324_10.9922.C3.o6.tw	Method	TBLASTX:Wheat
Start	6379	End	6710
GI	none	Score	172
Exons	6379..6495, 6380..6517, 6546..6710		

Seq. No.	24769	Seq. ID	OJ990324_10.9922.C4
Gene No.	51449	Strand	+
Start	3907	End	4170
Name	OJ990324_10.9922.C4.o1.gs	Method	GENSCAN
Start	3907	End	4170
GI	none	Score	.55
Exons	3907..4170		

Seq. No.	24769	Seq. ID	OJ990324_10.9922.C4
Gene No.	51450	Strand	+
Start	5505	End	12377
Name	OJ990324_10.9922.C4.o2.gs	Method	GENSCAN
Start	5505	End	12377
GI	none	Score	.47
Exons	5505..5655, 7006..7260, 8963..9033, 11961..12377		

Seq. No.	24769	Seq. ID	OJ990324_10.9922.C4
Gene No.	51451	Strand	-
Start	13388	End	17086
Name	OJ990324_10.9922.C4.o3.gs	Method	GENSCAN
Start	13388	End	17086
GI	none	Score	.79
Exons	13388..13501, 15200..15328, 15805..16023, 16815..17086		

Seq. No.	24770	Seq. ID	OJ990324_10.9922.C5
Gene No.	51452	Strand	+
Start	205	End	304
Name	OJ990324_10.9922.C5.o1.np	Method	AAT/NAP
Start	205	End	304
GI	5922634	Score	118
Exons	205..304		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	24770	Seq. ID	OJ990324_10.9922.C5
Gene No.	51453	Strand	+
Start	430	End	4955
Name	OJ990324_10.9922.C5.o1.gs	Method	GENSCAN
Start	430	End	4955
GI	none	Score	.8
Exons	430..1315, 2343..2521, 2618..2828, 4930..4955		

Seq. No.	24770	Seq. ID	OJ990324_10.9922.C5
Gene No.	51453	Strand	+

Start	430	End	4955
Name	OJ990324_10.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	1057	End	4425
GI	none	Score	88
Exons	1057..1119, 2414..2527, 2458..2559, 2615..2827, 2617..2841, 2923..3102, 2924..3160, 2944..3162, 3770..3886, 3770..3886, 3778..3894, 4184..4396, 4282..4425		

Seq. No.	24770	Seq. ID	OJ990324_10.9922.C5
Gene No.	51453	Strand	+
Start	430	End	4955
Name	OJ990324_10.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	2414	End	4396
GI	none	Score	104
Exons	2414..2521, 2458..2514, 2615..2827, 2617..2841, 2945..3160, 2950..3162, 3766..3882, 3767..3916, 4175..4396		

Seq. No.	24770	Seq. ID	OJ990324_10.9922.C5
Gene No.	51453	Strand	+
Start	430	End	4955
Name	OJ990324_10.9922.C5.o2.np	Method	AAT/NAP
Start	2426	End	4480
GI	5734728	Score	808
Exons	2426..2521, 2618..2828, 2925..3162, 3766..3876, 4165..4480		
GI Descrip.	(AC007259) Very similar to receptor-like protein kinases [Arabidopsis thaliana]		

Seq. No.	24770	Seq. ID	OJ990324_10.9922.C5
Gene No.	51453	Strand	+
Start	430	End	4955
Name	OJ990324_10.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	2615	End	3160
GI	none	Score	291
Exons	2615..2827, 2617..2826, 2887..3159, 2924..3160		

Seq. No.	24770	Seq. ID	OJ990324_10.9922.C5
Gene No.	51453	Strand	+
Start	430	End	4955
Name	OJ990324_10.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	2743	End	3154
GI	none	Score	54
Exons	2743..2826, 2746..2826, 2750..2827, 2750..2827, 2923..3126, 2924..3154, 2942..3139		

Seq. No.	24770	Seq. ID	OJ990324_10.9922.C5
Gene No.	51453	Strand	+
Start	430	End	4955
Name	OJ990324_10.9922.C5.o2.tm	Method	TBLASTX:Maize
Start	3756	End	4495
GI	none	Score	68
Exons	3756..3902, 3766..3876, 3767..3916, 3770..3916, 4183..4239, 4184..4444, 4248..4346, 4282..4434, 4430..4495		

Seq. No.	24771	Seq. ID	OJ990324_10.9922.C6
Gene No.	51454	Strand	+
Start	275	End	5219
Name	OJ990324_10.9922.C6.o1.gs	Method	GENSCAN

Start	275	End	5219
GI	none	Score	.58
Exons	275..321, 380..476, 1156..1272, 4138..4318, 4353..4463, 4707..4899, 5216..5219		

Seq. No.	24771	Seq. ID	OJ990324_10.9922.C6
Gene No.	51455	Strand	+
Start	13034	End	14459
Name	OJ990324_10.9922.C6.o3.np	Method	AAT/NAP
Start	13034	End	14459
GI	5852084	Score	72
Exons	13034..13236, 14376..14459		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	24771	Seq. ID	OJ990324_10.9922.C6
Gene No.	51456	Strand	+
Start	15150	End	17806
Name	OJ990324_10.9922.C6.o4.np	Method	AAT/NAP
Start	15060	End	17806
GI	5042454	Score	2326
Exons	15060..15210, 15560..15666, 15722..17135, 17770..17806		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	24771	Seq. ID	OJ990324_10.9922.C6
Gene No.	51456	Strand	+
Start	15150	End	17806
Name	OJ990324_10.9922.C6.o4.gs	Method	GENSCAN
Start	15150	End	17766
GI	none	Score	.41
Exons	15150..15283, 15498..15666, 15722..16007, 16043..17766		

Seq. No.	24771	Seq. ID	OJ990324_10.9922.C6
Gene No.	51457	Strand	-
Start	5399	End	11084
Name	OJ990324_10.9922.C6.o2.gs	Method	GENSCAN
Start	5399	End	11084
GI	none	Score	.52
Exons	5399..5840, 7128..7283, 7380..7501, 7755..8980, 9125..9676, 9887..9942, 10063..10243, 11003..11084		

Seq. No.	24771	Seq. ID	OJ990324_10.9922.C6
Gene No.	51457	Strand	-
Start	5399	End	11084
Name	OJ990324_10.9922.C6.o1.np	Method	AAT/NAP
Start	7308	End	9227
GI	479357	Score	999
Exons	7308..8951, 9019..9227		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]		

Seq. No.	24771	Seq. ID	OJ990324_10.9922.C6
Gene No.	51458	Strand	-
Start	11601	End	13064
Name	OJ990324_10.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	7950	End	8573
GI	none	Score	80
Exons	7950..8225, 7963..8220, 8233..8298, 8235..8297, 8326..8568,		

8328..8573

Seq. No.	24771	Seq. ID	OJ990324_10.9922.C6
Gene No.	51458	Strand	-
Start	11601	End	13064
Name	OJ990324_10.9922.C6.o3.gs	Method	GENSCAN
Start	11601	End	13061
GI	none	Score	1
Exons	11601..13061		

Seq. No.	24771	Seq. ID	OJ990324_10.9922.C6
Gene No.	51458	Strand	-
Start	11601	End	13064
Name	OJ990324_10.9922.C6.o2.np	Method	AAT/NAP
Start	11618	End	13064
GI	3928543	Score	631
Exons	11618..13064		
GI Descrip.	(AB016819) UDP-glucose glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	24771	Seq. ID	OJ990324_10.9922.C6
Gene No.	51458	Strand	-
Start	11601	End	13064
Name	OJ990324_10.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	11653	End	13038
GI	none	Score	34
Exons	11653..11694, 11754..11990, 11755..11958, 12054..12248, 12076..12189, 12273..12443, 12555..12704, 12583..12705, 12744..12878, 12793..12879, 12912..13037, 12931..13038		

Seq. No.	24771	Seq. ID	OJ990324_10.9922.C6
Gene No.	51458	Strand	-
Start	11601	End	13064
Name	OJ990324_10.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	11686	End	12231
GI	none	Score	196
Exons	11686..11991, 11754..11990, 12051..12215, 12054..12215, 12076..12231		

Seq. No.	24771	Seq. ID	OJ990324_10.9922.C6
Gene No.	51458	Strand	-
Start	11601	End	13064
Name	OJ990324_10.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	11755	End	13037
GI	none	Score	143
Exons	11755..11985, 11757..11990, 12069..12248, 12076..12249, 12285..12443, 12555..12740, 12604..12723, 12799..12879, 12840..12878, 12912..13037		

Seq. No.	24771	Seq. ID	OJ990324_10.9922.C6
Gene No.	51458	Strand	-
Start	11601	End	13064
Name	OJ990324_10.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	11818	End	12215
GI	none	Score	158
Exons	11818..11991, 11823..11996, 11826..11996, 12063..12215, 12078..12182, 12079..12210		

Seq. No.	24771	Seq. ID	OJ990324_10.9922.C6
Gene No.	51459	Strand	
Start	16393	End	16785
Name	OJ990324_10.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	16393	End	16785
GI	none	Score	58
Exons	16393..16440, 16447..16545, 16452..16544, 16512..16751, 16528..16785		

Seq. No.	24771	Seq. ID	OJ990324_10.9922.C6
Gene No.	51459	Strand	
Start	16393	End	16785
Name	OJ990324_10.9922.C6.o3.tm	Method	TBLASTX:Maize
Start	16398	End	16683
GI	none	Score	190
Exons	16398..16682, 16435..16683		

Seq. No.	24771	Seq. ID	OJ990324_10.9922.C6
Gene No.	51460	Strand	
Start	17335	End	17655
Name	OJ990324_10.9922.C6.o3.tw	Method	TBLASTX:Wheat
Start	17335	End	17655
GI	none	Score	210
Exons	17335..17655, 17502..17654		

Seq. No.	24772	Seq. ID	OJ990324_10.9922.C7
Gene No.	51461	Strand	+
Start	1	End	1767
Name	OJ990324_10.9922.C7.o1.np	Method	AAT/NAP
Start	1	End	1767
GI	6498441	Score	1553
Exons	1..70, 134..507, 691..825, 1000..1353, 1546..1767		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	24772	Seq. ID	OJ990324_10.9922.C7
Gene No.	51461	Strand	+
Start	1	End	1767
Name	OJ990324_10.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	141	End	604
GI	none	Score	199
Exons	141..584, 142..597, 143..604, 143..598		

Seq. No.	24772	Seq. ID	OJ990324_10.9922.C7
Gene No.	51461	Strand	+
Start	1	End	1767
Name	OJ990324_10.9922.C7.o2.ts	Method	TBLASTX:Soybean
Start	182	End	547
GI	none	Score	119
Exons	182..406, 413..547		

Seq. No.	24772	Seq. ID	OJ990324_10.9922.C7
Gene No.	51461	Strand	+
Start	1	End	1767
Name	OJ990324_10.9922.C7.o1.gs	Method	GENSCAN

Start	197	End	1747
GI	none	Score	.48
Exons	197..1098, 1464..1747		

Seq. No.	24772	Seq. ID	OJ990324_10.9922.C7
Gene No.	51461	Strand	+
Start	1	End	1767
Name	OJ990324_10.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	272	End	628
GI	none	Score	392
Exons	272..628, 307..618, 323..628		

Seq. No.	24772	Seq. ID	OJ990324_10.9922.C7
Gene No.	51461	Strand	+
Start	1	End	1767
Name	OJ990324_10.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	655	End	1039
GI	none	Score	355
Exons	655..1020, 656..1039		

Seq. No.	24772	Seq. ID	OJ990324_10.9922.C7
Gene No.	51461	Strand	+
Start	1	End	1767
Name	OJ990324_10.9922.C7.o2.tw	Method	TBLASTX:Wheat
Start	712	End	1132
GI	none	Score	483
Exons	712..1107, 713..1132		

Seq. No.	24772	Seq. ID	OJ990324_10.9922.C7
Gene No.	51461	Strand	+
Start	1	End	1767
Name	OJ990324_10.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	791	End	1162
GI	none	Score	274
Exons	791..1162, 808..951		

Seq. No.	24773	Seq. ID	OJ990324_10.9922.C8
Gene No.	51462	Strand	+
Start	1	End	2774
Name	OJ990324_10.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	2774
GI	6498441	Score	615
Exons	1..28, 200..618, 1661..1815, 2753..2774		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	24773	Seq. ID	OJ990324_10.9922.C8
Gene No.	51462	Strand	+
Start	1	End	2774
Name	OJ990324_10.9922.C8.o1.gs	Method	GENSCAN
Start	233	End	624
GI	none	Score	.95
Exons	233..624		

Seq. No.	24773	Seq. ID	OJ990324_10.9922.C8
Gene No.	51463	Strand	-

Start	1587	End	2487
Name	OJ990324_10.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	26	End	486
GI	none	Score	133
Exons	26..142, 31..141, 229..486, 231..419		

Seq. No.	24773	Seq. ID	OJ990324_10.9922.C8
Gene No.	51463	Strand	-
Start	1587	End	2487
Name	OJ990324_10.9922.C8.o2.gs	Method	GENSCAN
Start	1587	End	2487
GI	none	Score	.85
Exons	1587..2044, 2091..2487		

Seq. No.	24774	Seq. ID	OJ990324_10.9922.C10
Gene No.	51464	Strand	+
Start	94	End	386
Name	OJ990324_10.9922.C10.o1.gs	Method	GENSCAN
Start	94	End	386
GI	none	Score	.99
Exons	94..386		

Seq. No.	24775	Seq. ID	OJ990324_10.9922.C12
Gene No.	51465	Strand	-
Start	1	End	687
Name	OJ990324_10.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	687
GI	5257279	Score	739
Exons	1..687		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	24775	Seq. ID	OJ990324_10.9922.C12
Gene No.	51465	Strand	-
Start	1	End	687
Name	OJ990324_10.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	62	End	416
GI	none	Score	39
Exons	62..106, 75..101, 108..416, 121..414		

Seq. No.	24775	Seq. ID	OJ990324_10.9922.C12
Gene No.	51465	Strand	-
Start	1	End	687
Name	OJ990324_10.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	108	End	473
GI	none	Score	248
Exons	108..473, 124..444		

Seq. No.	24775	Seq. ID	OJ990324_10.9922.C12
Gene No.	51465	Strand	-
Start	1	End	687
Name	OJ990324_10.9922.C12.o1.gp	Method	AAT/GAP
Start	152	End	474
GI	4107139	Score	552
Exons	152..474		
GI Descrip.	5257279/dbj|BAA81778.1| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	24775	Seq. ID	OJ990324_10.9922.C12
Gene No.	51465	Strand	-
Start	1	End	687
Name	OJ990324_10.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	237	End	464
GI	none	Score	201
Exons	237..464		

Seq. No.	24776	Seq. ID	OJ990414_09.9922.C2
Gene No.	51466	Strand	-
Start	1293	End	2096
Name	OJ990414_09.9922.C2.o1.gs	Method	GENSCAN
Start	1293	End	2096
GI	none	Score	.93
Exons	1293..1412, 2037..2096		

Seq. No.	24777	Seq. ID	OJ990414_09.9922.C3
Gene No.	51467	Strand	+
Start	1039	End	1203
Name	OJ990414_09.9922.C3.o1.gs	Method	GENSCAN
Start	1039	End	1203
GI	none	Score	.99
Exons	1039..1203		

Seq. No.	24778	Seq. ID	OJ990414_09.9922.C4
Gene No.	51468	Strand	+
Start	317	End	2159
Name	OJ990414_09.9922.C4.o1.gs	Method	GENSCAN
Start	317	End	2159
GI	none	Score	.96
Exons	317..593, 1666..1826, 1990..2159		

Seq. No.	24778	Seq. ID	OJ990414_09.9922.C4
Gene No.	51469	Strand	-
Start	2966	End	3861
Name	OJ990414_09.9922.C4.o2.gs	Method	GENSCAN
Start	2966	End	3861
GI	none	Score	.65
Exons	2966..3087, 3672..3861		

Seq. No.	24778	Seq. ID	OJ990414_09.9922.C4
Gene No.	51470	Strand	-
Start	8666	End	13134
Name	OJ990414_09.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	5676	End	5975
GI	none	Score	84
Exons	5676..5975, 5677..5727, 5797..5943		

Seq. No.	24778	Seq. ID	OJ990414_09.9922.C4
Gene No.	51470	Strand	-
Start	8666	End	13134
Name	OJ990414_09.9922.C4.o4.gs	Method	GENSCAN
Start	8666	End	13134
GI	none	Score	.77
Exons	8666..8671, 8799..9137, 9448..9645, 10098..10166, 10629..10730, 11103..11246, 11378..11494, 11694..11915, 12053..12235,		

12317..12532, 12698..12877, 12970..13134

Seq. No.	24778	Seq. ID	OJ990414_09.9922.C4
Gene No.	51470	Strand	-
Start	8666	End	13134
Name	OJ990414_09.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	9393	End	10169
GI	none	Score	226
Exons	9393..9476, 9395..9643, 9403..9645, 9407..9646, 9537..9668, 10095..10169, 10095..10166, 10096..10167		

Seq. No.	24778	Seq. ID	OJ990414_09.9922.C4
Gene No.	51470	Strand	-
Start	8666	End	13134
Name	OJ990414_09.9922.C4.o1.np	Method	AAT/NAP
Start	9430	End	13077
GI	2832649	Score	1186
Exons	9430..9645, 10629..10730, 11103..11246, 11694..11915, 12053..12235, 12317..12532, 12698..12829, 12892..13077		
GI Descrip.	(AL021710) adenylosuccinate lyase - like protein [Arabidopsis thaliana]		

Seq. No.	24778	Seq. ID	OJ990414_09.9922.C4
Gene No.	51470	Strand	-
Start	8666	End	13134
Name	OJ990414_09.9922.C4.o3.ts	Method	TBLASTX:Soybean
Start	9571	End	11398
GI	none	Score	92
Exons	9571..9642, 10098..10166, 10626..10745, 10627..10746, 11103..11249, 11104..11247, 11114..11251, 11378..11398		

Seq. No.	24778	Seq. ID	OJ990414_09.9922.C4
Gene No.	51470	Strand	-
Start	8666	End	13134
Name	OJ990414_09.9922.C4.o5.tm	Method	TBLASTX:Maize
Start	10622	End	11410
GI	none	Score	106
Exons	10622..10732, 10626..10733, 10626..10745, 10627..10746, 10630..10776, 11103..11249, 11104..11247, 11375..11410		

Seq. No.	24778	Seq. ID	OJ990414_09.9922.C4
Gene No.	51470	Strand	-
Start	8666	End	13134
Name	OJ990414_09.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	11155	End	12133
GI	none	Score	101
Exons	11155..11247, 11163..11249, 11373..11429, 11378..11428, 11423..11506, 11430..11495, 11691..11822, 11691..11915, 11698..11916, 11704..11916, 11873..11962, 11874..11918, 12041..12133, 12042..12080		

Seq. No.	24778	Seq. ID	OJ990414_09.9922.C4
Gene No.	51470	Strand	-
Start	8666	End	13134
Name	OJ990414_09.9922.C4.o2.ts	Method	TBLASTX:Soybean
Start	11399	End	12124
GI	none	Score	62

Exons	11399..11506, 11400..11495, 11691..11915, 11701..11916, 11702..11917, 11735..11917, 12041..12124		
Seq. No.	24778	Seq. ID	OJ990414_09.9922.C4
Gene No.	51470	Strand	-
Start	8666	End	13134
Name	OJ990414_09.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	11411	End	12421
GI	none	Score	79
Exons	11411..11506, 11412..11495, 11691..11915, 11698..11916, 11698..11916, 11699..11917, 12036..12236, 12041..12238, 12042..12239, 12058..12288, 12272..12421, 12308..12421		
Seq. No.	24778	Seq. ID	OJ990414_09.9922.C4
Gene No.	51470	Strand	-
Start	8666	End	13134
Name	OJ990414_09.9922.C4.o1.gp	Method	AAT/GAP
Start	11814	End	12371
GI	uC-osflM202097d03b1	Score	636
Exons	11814..11915, 12053..12235, 12317..12371		
GI Descrip.	'2832649/emb|CAA16724| 6.0e-37 (AL021710) adenylosuccinate lyase - like protein [Arabidopsis thaliana]'		
Seq. No.	24778	Seq. ID	OJ990414_09.9922.C4
Gene No.	51470	Strand	-
Start	8666	End	13134
Name	OJ990414_09.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	12131	End	12506
GI	none	Score	93
Exons	12131..12238, 12132..12236, 12308..12505, 12315..12506		
Seq. No.	24778	Seq. ID	OJ990414_09.9922.C4
Gene No.	51470	Strand	-
Start	8666	End	13134
Name	OJ990414_09.9922.C4.o4.tm	Method	TBLASTX:Maize
Start	12425	End	13017
GI	none	Score	102
Exons	12425..12535, 12425..12511, 12441..12530, 12672..12860, 12686..12871, 12699..12872, 12973..13017		
Seq. No.	24779	Seq. ID	OJ990414_09.9922.C5
Gene No.	51471	Strand	-
Start	66	End	1616
Name	OJ990414_09.9922.C5.o1.gs	Method	GENSCAN
Start	66	End	1616
GI	none	Score	.63
Exons	66..247, 481..676, 1109..1201, 1433..1616		
Seq. No.	24780	Seq. ID	OJ990414_09.9922.C6
Gene No.	51472	Strand	+
Start	23	End	263
Name	OJ990414_09.9922.C6.o1.gs	Method	GENSCAN
Start	23	End	263
GI	none	Score	.58
Exons	23..131, 172..263		
Seq. No.	24781	Seq. ID	OJ990414_09.9922.C7

Gene No.	51473	Strand	+
Start	616	End	897
Name	OJ990414_09.9922.C7.o1.gs	Method	GENSCAN
Start	616	End	897
GI	none	Score	.69
Exons	616..897		

Seq. No.	24782	Seq. ID	OJ990414_09.9922.C8
Gene No.	51474	Strand	+
Start	1	End	3826
Name	OJ990414_09.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	3754
GI	5832750	Score	188
Exons	1..86, 1019..1128, 1382..1444, 1543..1839, 2603..2782, 3693..3754		
GI Descrip.	(Z50070) similar to poly (A) polymerase; cDNA EST yk484e9.3 comes from this gene [Caenorhabditis elegans] gi|6425432|emb|CAB60582.1| (AL032651) similar to poly (A) polymerase; cDNA EST yk484e9.3 comes from this gene [Caenorhabditis elegans]		

Seq. No.	24782	Seq. ID	OJ990414_09.9922.C8
Gene No.	51474	Strand	+
Start	1	End	3826
Name	OJ990414_09.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	1373	End	3059
GI	none	Score	131
Exons	1373..1453, 1378..1458, 1381..1455, 1540..1704, 1543..1710, 1705..1860, 1711..1839, 2583..2765, 2601..2747, 2608..2769, 2609..2770, 2834..2962, 2845..3057, 2847..3059		

Seq. No.	24782	Seq. ID	OJ990414_09.9922.C8
Gene No.	51474	Strand	+
Start	1	End	3826
Name	OJ990414_09.9922.C8.o1.gp	Method	AAT/GAP
Start	3328	End	3826
GI	none	Score	978
Exons	3328..3826		

Seq. No.	24783	Seq. ID	OJ990414_09.9922.C11
Gene No.	51475	Strand	+
Start	104	End	1556
Name	OJ990414_09.9922.C11.o1.gs	Method	GENSCAN
Start	104	End	1556
GI	none	Score	.77
Exons	104..246, 1424..1556		

Seq. No.	24783	Seq. ID	OJ990414_09.9922.C11
Gene No.	51476	Strand	-
Start	3162	End	3262
Name	OJ990414_09.9922.C11.o2.gs	Method	GENSCAN
Start	3162	End	3262
GI	none	Score	.57
Exons	3162..3262		

Seq. No.	24784	Seq. ID	OJ990414_09.9922.C12
Gene No.	51477	Strand	+

Start	1019	End	2575
Name	OJ990414_09.9922.C12.o2.gp	Method	AAT/GAP
Start	1019	End	1810
GI	LIB3477-004-P1-K1-C9	Score	909
Exons	1019..1407, 1718..1810		
GI Descrip.	'3913425/sp|O22899|DD15_ARATH 1.0e-35 PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE >gi_2275203 (AC002337) RNA helicase isolog [Arabidopsis thaliana]'		

Seq. No.	24784	Seq. ID	OJ990414_09.9922.C12
Gene No.	51477	Strand	+
Start	1019	End	2575
Name	OJ990414_09.9922.C12.o2.tm	Method	TBLASTX:Maize
Start	1116	End	1326
GI	none	Score	114
Exons	1116..1187, 1117..1188, 1236..1325, 1237..1326		

Seq. No.	24784	Seq. ID	OJ990414_09.9922.C12
Gene No.	51477	Strand	+
Start	1019	End	2575
Name	OJ990414_09.9922.C12.o2.ts	Method	TBLASTX:Soybean
Start	1116	End	1840
GI	none	Score	83
Exons	1116..1166, 1117..1173, 1242..1328, 1242..1403, 1243..1410, 1288..1425, 1715..1741, 1733..1840, 1762..1821		

Seq. No.	24784	Seq. ID	OJ990414_09.9922.C12
Gene No.	51477	Strand	+
Start	1019	End	2575
Name	OJ990414_09.9922.C12.o1.gs	Method	GENSCAN
Start	1117	End	2481
GI	none	Score	.9
Exons	1117..1407, 1718..1905, 2049..2481		

Seq. No.	24784	Seq. ID	OJ990414_09.9922.C12
Gene No.	51477	Strand	+
Start	1019	End	2575
Name	OJ990414_09.9922.C12.o1.np	Method	AAT/NAP
Start	1117	End	2575
GI	3913425	Score	1304
Exons	1117..1407, 1718..1905, 2049..2575		
GI Descrip.	PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE gi|2275203|gb|AAB63825.1| (AC002337) putative pre-mRNA splicing factor RNA helicase [Arabidopsis thaliana]		

Seq. No.	24784	Seq. ID	OJ990414_09.9922.C12
Gene No.	51477	Strand	+
Start	1019	End	2575
Name	OJ990414_09.9922.C12.o1.tc	Method	TBLASTX:Cress
Start	1282	End	2574
GI	none	Score	125
Exons	1282..1410, 1733..1906, 1735..1935, 1944..2246, 1999..2553, 2044..2574, 2283..2558		

Seq. No.	24784	Seq. ID	OJ990414_09.9922.C12
Gene No.	51477	Strand	+
Start	1019	End	2575

Name	OJ990414_09.9922.C12.o3.tm	Method	TBLASTX:Maize
Start	2043	End	2217
GI	none	Score	195
Exons	2043..2213, 2044..2217		

Seq. No.	24784	Seq. ID	OJ990414_09.9922.C12
Gene No.	51477	Strand	+
Start	1019	End	2575
Name	OJ990414_09.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	2134	End	2475
GI	none	Score	542
Exons	2134..2475, 2134..2460, 2136..2474		

Seq. No.	24784	Seq. ID	OJ990414_09.9922.C12
Gene No.	51477	Strand	+
Start	1019	End	2575
Name	OJ990414_09.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	2222	End	2574
GI	none	Score	419
Exons	2222..2566, 2223..2570, 2223..2573, 2224..2574		

Seq. No.	24785	Seq. ID	OJ990414_09.9922.C13
Gene No.	51478	Strand	+
Start	99	End	1222
Name	OJ990414_09.9922.C13.o1.gs	Method	GENSCAN
Start	99	End	1222
GI	none	Score	.51
Exons	99..173, 1027..1222		

Seq. No.	24785	Seq. ID	OJ990414_09.9922.C13
Gene No.	51479	Strand	-
Start	1	End	59
Name	OJ990414_09.9922.C13.o1.gp	Method	AAT/GAP
Start	1	End	59
GI	2311635	Score	118
Exons	1..59		

Seq. No.	24786	Seq. ID	OJ990414_09.9922.C14
Gene No.	51480	Strand	-
Start	5262	End	8121
Name	OJ990414_09.9922.C14.o2.gs	Method	GENSCAN
Start	5262	End	8121
GI	none	Score	.76
Exons	5262..5541, 5633..5838, 6080..6370, 7216..7355, 7611..7785, 8104..8121		

Seq. No.	24786	Seq. ID	OJ990414_09.9922.C14
Gene No.	51480	Strand	-
Start	5262	End	8121
Name	OJ990414_09.9922.C14.o1.np	Method	AAT/NAP
Start	5265	End	7689
GI	2894558	Score	1185
Exons	5265..5541, 5633..5838, 6080..6370, 6450..6501, 7247..7475, 7611..7689		
GI Descrip.	(AL021890) putative protein [Arabidopsis thaliana]		

Seq. No.	24786	Seq. ID	OJ990414_09.9922.C14

Gene No.	51480	Strand	-
Start	5262	End	8121
Name	OJ990414_09.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	5510	End	7906
GI	none	Score	56
Exons	5510..5545, 5513..5542, 5625..5843, 5633..5839, 6080..6373, 6081..6371, 6089..6373, 6280..6381, 7246..7476, 7247..7477, 7256..7477, 7596..7664, 7606..7725, 7607..7693, 7612..7701, 7702..7737, 7838..7903, 7839..7904, 7861..7905, 7862..7906		

Seq. No.	24786	Seq. ID	OJ990414_09.9922.C14
Gene No.	51480	Strand	-
Start	5262	End	8121
Name	OJ990414_09.9922.C14.o1.ts	Method	TBLASTX:Soybean
Start	5777	End	7320
GI	none	Score	62
Exons	5777..5839, 6080..6373, 6081..6371, 6121..6378, 7235..7309, 7246..7320		

Seq. No.	24786	Seq. ID	OJ990414_09.9922.C14
Gene No.	51480	Strand	-
Start	5262	End	8121
Name	OJ990414_09.9922.C14.o1.tc	Method	TBLASTX:Cress
Start	7252	End	7680
GI	none	Score	245
Exons	7252..7476, 7253..7477, 7606..7680		

Seq. No.	24786	Seq. ID	OJ990414_09.9922.C14
Gene No.	51480	Strand	-
Start	5262	End	8121
Name	OJ990414_09.9922.C14.o1.gp	Method	AAT/GAP
Start	7339	End	8014
GI	2428147	Score	765
Exons	7339..7475, 7611..7734, 7839..8014		

Seq. No.	24787	Seq. ID	OJ990414_09.9922.C15
Gene No.	51481	Strand	+
Start	77	End	2592
Name	OJ990414_09.9922.C15.o1.gs	Method	GENSCAN
Start	77	End	2592
GI	none	Score	.62
Exons	77..359, 371..800, 2047..2592		

Seq. No.	24787	Seq. ID	OJ990414_09.9922.C15
Gene No.	51482	Strand	+
Start	5121	End	5455
Name	OJ990414_09.9922.C15.o2.gs	Method	GENSCAN
Start	5121	End	5455
GI	none	Score	.77
Exons	5121..5254, 5293..5455		

Seq. No.	24787	Seq. ID	OJ990414_09.9922.C15
Gene No.	51483	Strand	+
Start	6240	End	11922
Name	OJ990414_09.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	465	End	733
GI	none	Score	202

Exons	465..722, 465..725, 605..733		
Seq. No.	24787	Seq. ID	OJ990414_09.9922.C15
Gene No.	51483	Strand	+
Start	6240	End	11922
Name	OJ990414_09.9922.C15.o1.np	Method	AAT/NAP
Start	6174	End	9615
GI	3643271	Score	792
Exons	6174..6529, 9166..9615		
GI Descrip.	(AF090872) 33 kDa secretory protein [Oryza sativa] gi|3851590 (AF093570) 33 kDa secretory protein [Oryza sativa] gi|4249681 (AF097724) 33 kDa secretory protein [Oryza sativa]		
Seq. No.	24787	Seq. ID	OJ990414_09.9922.C15
Gene No.	51483	Strand	+
Start	6240	End	11922
Name	OJ990414_09.9922.C15.o2.tm	Method	TBLASTX:Maize
Start	6179	End	9504
GI	none	Score	63
Exons	6179..6271, 6226..6273, 6305..6406, 6321..6407, 6345..6527, 6401..6526, 9388..9504		
Seq. No.	24787	Seq. ID	OJ990414_09.9922.C15
Gene No.	51483	Strand	+
Start	6240	End	11922
Name	OJ990414_09.9922.C15.o3.gs	Method	GENSCAN
Start	6240	End	11922
GI	none	Score	.41
Exons	6240..6556, 9166..9289, 9406..9603, 9840..9957, 10530..10633, 11665..11922		
Seq. No.	24788	Seq. ID	OJ990414_09.9922.C16
Gene No.	51484	Strand	+
Start	47	End	411
Name	OJ990414_09.9922.C16.o1.gs	Method	GENSCAN
Start	47	End	411
GI	none	Score	.42
Exons	47..136, 232..411		
Seq. No.	24789	Seq. ID	OJ990414_09.9922.C17
Gene No.	51485	Strand	+
Start	1862	End	3862
Name	OJ990414_09.9922.C17.o2.gs	Method	GENSCAN
Start	1862	End	3862
GI	none	Score	.94
Exons	1862..1867, 2089..2256, 2881..3081, 3818..3862		
Seq. No.	24789	Seq. ID	OJ990414_09.9922.C17
Gene No.	51486	Strand	+
Start	8563	End	8775
Name	OJ990414_09.9922.C17.o1.np	Method	AAT/NAP
Start	8563	End	8775
GI	6069646	Score	126
Exons	8563..8775		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence,		

putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	24789	Seq. ID	OJ990414_09.9922.C17
Gene No.	51487	Strand	-
Start	5896	End	10734
Name	OJ990414_09.9922.C17.o3.gs	Method	GENSCAN
Start	5896	End	10734
GI	none	Score	.65
Exons	5896..6017, 6180..6320, 6852..6893, 7020..7133, 7715..7767, 9120..9149, 10395..10425, 10632..10734		

Seq. No.	24789	Seq. ID	OJ990414_09.9922.C17
Gene No.	51488	Strand	-
Start	13400	End	14468
Name	OJ990414_09.9922.C17.o4.gs	Method	GENSCAN
Start	13400	End	14468
GI	none	Score	.68
Exons	13400..13518, 13651..13924, 14391..14468		

Seq. No.	24789	Seq. ID	OJ990414_09.9922.C17
Gene No.	51489	Strand	-
Start	16454	End	17147
Name	OJ990414_09.9922.C17.o5.gs	Method	GENSCAN
Start	16454	End	17147
GI	none	Score	.71
Exons	16454..16512, 16952..17052, 17057..17147		

Seq. No.	24790	Seq. ID	OJ990414_09.9922.C18
Gene No.	51490	Strand	+
Start	1688	End	2701
Name	OJ990414_09.9922.C18.o1.gs	Method	GENSCAN
Start	1688	End	2701
GI	none	Score	.66
Exons	1688..1747, 2280..2369, 2387..2701		

Seq. No.	24791	Seq. ID	OJ990414_09.9922.C19
Gene No.	51491	Strand	+
Start	142	End	772
Name	OJ990414_09.9922.C19.o1.gs	Method	GENSCAN
Start	142	End	772
GI	none	Score	.46
Exons	142..271, 407..490, 573..772		

Seq. No.	24791	Seq. ID	OJ990414_09.9922.C19
Gene No.	51492	Strand	+
Start	2237	End	2623
Name	OJ990414_09.9922.C19.o2.gs	Method	GENSCAN
Start	2237	End	2623
GI	none	Score	.99
Exons	2237..2260, 2453..2623		

Seq. No.	24792	Seq. ID	OJ990414_09.9922.C20
Gene No.	51493	Strand	+
Start	45	End	5622
Name	OJ990414_09.9922.C20.o1.gs	Method	GENSCAN
Start	45	End	5622

GI	none	Score	.56
Exons	45..302, 4171..4241, 4692..4845, 4900..4992, 5435..5622		

Seq. No.	24792	Seq. ID	OJ990414_09.9922.C20
Gene No.	51494	Strand	-
Start	6138	End	6362
Name	OJ990414_09.9922.C20.o2.gs	Method	GENSCAN
Start	6138	End	6362
GI	none	Score	1
Exons	6138..6362		

Seq. No.	24793	Seq. ID	OJ990414_09.9922.C21
Gene No.	51495	Strand	+
Start	247	End	1340
Name	OJ990414_09.9922.C21.o1.gs	Method	GENSCAN
Start	247	End	1340
GI	none	Score	.62
Exons	247..343, 1270..1340		

Seq. No.	24793	Seq. ID	OJ990414_09.9922.C21
Gene No.	51496	Strand	+
Start	10868	End	11318
Name	OJ990414_09.9922.C21.o3.gs	Method	GENSCAN
Start	10868	End	11318
GI	none	Score	.94
Exons	10868..10900, 10977..11318		

Seq. No.	24793	Seq. ID	OJ990414_09.9922.C21
Gene No.	51497	Strand	-
Start	2383	End	13585
Name	OJ990414_09.9922.C21.o2.gs	Method	GENSCAN
Start	2383	End	9747
GI	none	Score	.89
Exons	2383..2424, 2900..3070, 3457..3603, 4093..4340, 4678..4714, 4968..5060, 5478..5585, 7991..8111, 8365..8429, 8827..8928, 9052..9249, 9745..9747		

Seq. No.	24793	Seq. ID	OJ990414_09.9922.C21
Gene No.	51497	Strand	-
Start	2383	End	13585
Name	OJ990414_09.9922.C21.o1.gp	Method	AAT/GAP
Start	2669	End	4714
GI	2763_1.R1084	Score	1526
Exons	2669..3070, 3457..3603, 4093..4340, 4678..4714		
GI Descrip.	'4959460/gb|AF126053.1|AF126053 7.0e-11 Zea mays RACB small GTP binding protein mRNA, complete cds'		

Seq. No.	24793	Seq. ID	OJ990414_09.9922.C21
Gene No.	51497	Strand	-
Start	2383	End	13585
Name	OJ990414_09.9922.C21.o1.np	Method	AAT/NAP
Start	4988	End	13585
GI	6066645	Score	333
Exons	4988..5060, 5478..5594, 5753..5838, 5925..5974, 6305..6459, 7260..7347, 8365..8429, 8827..8915, 9039..9137, 11414..11516, 11997..12114, 12249..12344, 13152..13259, 13499..13585		
GI Descrip.	(AL121854) hypothetical protein SCJ33.06c [Streptomyces		

coelicolor A3(2)]

Seq. No.	24793	Seq. ID	OJ990414_09.9922.C21
Gene No.	51498	Strand	-
Start	14744	End	20577
Name	OJ990414_09.9922.C21.o4.gs	Method	GENSCAN
Start	14744	End	20354
GI	none	Score	.89
Exons	14744..14882, 15559..15701, 16662..16727, 17420..17546, 18309..18403, 18490..18546, 18629..18729, 20120..20354		

Seq. No.	24793	Seq. ID	OJ990414_09.9922.C21
Gene No.	51498	Strand	-
Start	14744	End	20577
Name	OJ990414_09.9922.C21.o3.gp	Method	AAT/GAP
Start	20198	End	20577
GI	none	Score	662
Exons	20198..20577		

Seq. No.	24793	Seq. ID	OJ990414_09.9922.C21
Gene No.	51499	Strand	-
Start	21653	End	22693
Name	OJ990414_09.9922.C21.o2.tm	Method	TBLASTX:Maize
Start	2839	End	3603
GI	none	Score	210
Exons	2839..2874, 2864..3118, 2869..3033, 2870..3070, 3455..3523, 3455..3523, 3523..3603, 3526..3603		

Seq. No.	24793	Seq. ID	OJ990414_09.9922.C21
Gene No.	51499	Strand	-
Start	21653	End	22693
Name	OJ990414_09.9922.C21.o1.tm	Method	TBLASTX:Maize
Start	4054	End	4399
GI	none	Score	213
Exons	4054..4188, 4078..4341, 4083..4340, 4091..4399, 4091..4342		

Seq. No.	24793	Seq. ID	OJ990414_09.9922.C21
Gene No.	51499	Strand	-
Start	21653	End	22693
Name	OJ990414_09.9922.C21.o4.tm	Method	TBLASTX:Maize
Start	4664	End	5588
GI	none	Score	70
Exons	4664..4717, 4670..4717, 4955..5014, 4960..5061, 4965..5063, 4977..5069, 5475..5585, 5475..5588		

Seq. No.	24793	Seq. ID	OJ990414_09.9922.C21
Gene No.	51499	Strand	-
Start	21653	End	22693
Name	OJ990414_09.9922.C21.o1.ts	Method	TBLASTX:Soybean
Start	8370	End	9253
GI	5606355	Score	74
Exons	8370..8432, 8371..8433, 8827..8886, 8875..8928, 8885..8932, 9044..9253, 9049..9252		
GI Descrip.	-		

Seq. No.	24793	Seq. ID	OJ990414_09.9922.C21
Gene No.	51499	Strand	-

Start	21653	End	22693
Name	OJ990414_09.9922.C21.o1.tw	Method	TBLASTX:Wheat
Start	9068	End	12318
GI	none	Score	238
Exons	9068..9253, 9068..9250, 9070..9252, 11978..12115, 11986..12114, 12075..12119, 12238..12318, 12243..12317		

Seq. No.	24793	Seq. ID	OJ990414_09.9922.C21
Gene No.	51499	Strand	-
Start	21653	End	22693
Name	OJ990414_09.9922.C21.o3.ts	Method	TBLASTX:Soybean
Start	11990	End	12115
GI	none	Score	71
Exons	11990..12112, 11991..12113, 11992..12114, 11993..12115		

Seq. No.	24793	Seq. ID	OJ990414_09.9922.C21
Gene No.	51499	Strand	-
Start	21653	End	22693
Name	OJ990414_09.9922.C21.o3.tm	Method	TBLASTX:Maize
Start	15929	End	17534
GI	none	Score	160
Exons	15929..16126, 15936..16127, 15937..16128, 15979..16128, 16662..16730, 16671..16733, 17411..17518, 17412..17534, 17414..17518, 17436..17519		

Seq. No.	24793	Seq. ID	OJ990414_09.9922.C21
Gene No.	51499	Strand	-
Start	21653	End	22693
Name	OJ990414_09.9922.C21.o2.ts	Method	TBLASTX:Soybean
Start	18635	End	20271
GI	none	Score	65
Exons	18635..18730, 18639..18731, 20115..20177, 20115..20270, 20119..20271		

Seq. No.	24793	Seq. ID	OJ990414_09.9922.C21
Gene No.	51499	Strand	-
Start	21653	End	22693
Name	OJ990414_09.9922.C21.o5.gs	Method	GENSCAN
Start	21653	End	22693
GI	none	Score	.96
Exons	21653..21842, 22638..22693		

Seq. No.	24794	Seq. ID	OJ990414_09.9922.C22
Gene No.	51500	Strand	-
Start	1	End	722
Name	OJ990414_09.9922.C22.o1.np	Method	AAT/NAP
Start	1	End	722
GI	6016874	Score	141
Exons	1..27, 281..722		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	24794	Seq. ID	OJ990414_09.9922.C22
Gene No.	51500	Strand	-
Start	1	End	722
Name	OJ990414_09.9922.C22.o1.gs	Method	GENSCAN

Start	228	End	645
GI	none	Score	.51
Exons	228..356, 404..645		

Seq. No.	24795	Seq. ID	OJ990414_09.9922.C23
Gene No.	51501	Strand	+
Start	625	End	824
Name	OJ990414_09.9922.C23.o1.gs	Method	GENSCAN
Start	625	End	824
GI	none	Score	.74
Exons	625..824		

Seq. No.	24796	Seq. ID	OJ990414_09.9922.C26
Gene No.	51502	Strand	-
Start	626	End	766
Name	OJ990414_09.9922.C26.o1.gs	Method	GENSCAN
Start	626	End	766
GI	none	Score	.87
Exons	626..766		

Seq. No.	24797	Seq. ID	OJ990414_09.9922.C27
Gene No.	51503	Strand	-
Start	219	End	607
Name	OJ990414_09.9922.C27.o1.gs	Method	GENSCAN
Start	219	End	607
GI	none	Score	.8
Exons	219..348, 560..607		

Seq. No.	24798	Seq. ID	OJ990414_09.9922.C28
Gene No.	51504	Strand	-
Start	184	End	549
Name	OJ990414_09.9922.C28.o1.gs	Method	GENSCAN
Start	184	End	549
GI	none	Score	.9
Exons	184..357, 477..549		

Seq. No.	24799	Seq. ID	OJ990414_09.9922.C33
Gene No.	51505	Strand	-
Start	495	End	524
Name	OJ990414_09.9922.C33.o1.gs	Method	GENSCAN
Start	495	End	524
GI	none	Score	.83
Exons	495..524		

Seq. No.	24800	Seq. ID	OJ990414_09.9922.C34
Gene No.	51506	Strand	+
Start	490	End	1371
Name	OJ990414_09.9922.C34.o1.gs	Method	GENSCAN
Start	490	End	1371
GI	none	Score	.87
Exons	490..595, 657..857, 1070..1371		

Seq. No.	24801	Seq. ID	OJ990414_09.9922.C36
Gene No.	51507	Strand	+
Start	1	End	5019
Name	OJ990414_09.9922.C36.o1.np	Method	AAT/NAP
Start	1	End	4701

GI	6648171	Score	528
Exons	1..51, 604..638, 792..882, 3198..3291, 3746..3815, 3917..3967, 4054..4130, 4526..4701		
GI Descrip.	(AC010926) putative AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	24801	Seq. ID	OJ990414_09.9922.C36
Gene No.	51507	Strand	+
Start	1	End	5019
Name	OJ990414_09.9922.C36.o1.gs	Method	GENSCAN
Start	220	End	5019
GI	none	Score	.99
Exons	220..638, 792..874, 3199..3287, 3742..3815, 4054..4130, 4526..5019		

Seq. No.	24801	Seq. ID	OJ990414_09.9922.C36
Gene No.	51508	Strand	-
Start	5422	End	6067
Name	OJ990414_09.9922.C36.o1.tc	Method	TBLASTX:Cress
Start	789	End	4656
GI	none	Score	125
Exons	789..851, 790..873, 3198..3284, 3198..3293, 3198..3287, 3745..3816, 3869..3967, 3906..3971, 3915..3968, 4040..4132, 4051..4134, 4052..4132, 4567..4656		

Seq. No.	24801	Seq. ID	OJ990414_09.9922.C36
Gene No.	51508	Strand	-
Start	5422	End	6067
Name	OJ990414_09.9922.C36.o1.ts	Method	TBLASTX:Soybean
Start	790	End	4653
GI	none	Score	147
Exons	790..873, 792..854, 3198..3293, 3198..3293, 3198..3284, 3748..3816, 3911..3967, 3915..3968, 4051..4107, 4051..4128, 4052..4129, 4517..4561, 4567..4653		

Seq. No.	24801	Seq. ID	OJ990414_09.9922.C36
Gene No.	51508	Strand	-
Start	5422	End	6067
Name	OJ990414_09.9922.C36.o2.tm	Method	TBLASTX:Maize
Start	3198	End	4632
GI	none	Score	82
Exons	3198..3293, 3914..3967, 3915..3968, 4051..4125, 4052..4129, 4543..4632, 4567..4632		

Seq. No.	24801	Seq. ID	OJ990414_09.9922.C36
Gene No.	51508	Strand	-
Start	5422	End	6067
Name	OJ990414_09.9922.C36.o2.gs	Method	GENSCAN
Start	5422	End	6039
GI	none	Score	.74
Exons	5422..5516, 5884..6039		

Seq. No.	24801	Seq. ID	OJ990414_09.9922.C36
Gene No.	51508	Strand	-
Start	5422	End	6067
Name	OJ990414_09.9922.C36.o1.gp	Method	AAT/GAP
Start	5593	End	6047

GI	20117_1.R1084	Score	815
Exons	5593..6047		
GI Descrip.	'1915960/emb|CAA68913| 3.0e-30 (Y07636) peptidylprolyl isomerase [Triticum aestivum]'		

Seq. No.	24801	Seq. ID	OJ990414_09.9922.C36
Gene No.	51508	Strand	-
Start	5422	End	6067
Name	OJ990414_09.9922.C36.o1.tm	Method	TBLASTX:Maize
Start	5716	End	6046
GI	none	Score	150
Exons	5716..5754, 5767..5793, 5805..5969, 5843..6046, 5861..6046		

Seq. No.	24801	Seq. ID	OJ990414_09.9922.C36
Gene No.	51508	Strand	-
Start	5422	End	6067
Name	OJ990414_09.9922.C36.o2.tc	Method	TBLASTX:Cress
Start	5898	End	6067
GI	none	Score	60
Exons	5898..5972, 5906..6046, 5927..6067		

Seq. No.	24801	Seq. ID	OJ990414_09.9922.C36
Gene No.	51508	Strand	-
Start	5422	End	6067
Name	OJ990414_09.9922.C36.o2.ts	Method	TBLASTX:Soybean
Start	5906	End	6049
GI	none	Score	69
Exons	5906..6049, 5938..6036, 5939..6046		

Seq. No.	24802	Seq. ID	OJ990414_09.9922.C37
Gene No.	51509	Strand	-
Start	1199	End	2084
Name	OJ990414_09.9922.C37.o1.gs	Method	GENSCAN
Start	1199	End	1927
GI	none	Score	.96
Exons	1199..1209, 1591..1855, 1865..1927		

Seq. No.	24802	Seq. ID	OJ990414_09.9922.C37
Gene No.	51509	Strand	-
Start	1199	End	2084
Name	OJ990414_09.9922.C37.o1.np	Method	AAT/NAP
Start	1546	End	2084
GI	2499318	Score	146
Exons	1546..1855, 2066..2084		
GI Descrip.	PUTATIVE NADH-UBIQUINONE OXIDOREDUCTASE 17.3 KD SUBUNIT (COMPLEX I-17.3KD) (CI-17.3KD) gi|3874666|emb|CAA92789.1| (Z68493) Similarity to Bovine NADH-ubiquinone oxidoreductase 13 KD-B subunit (SW:NUFM_BOVIN); cDNA EST EMBL:C08756 comes from this gene [Caenorhabditis elegans]		

Seq. No.	24802	Seq. ID	OJ990414_09.9922.C37
Gene No.	51509	Strand	-
Start	1199	End	2084
Name	OJ990414_09.9922.C37.o1.gp	Method	AAT/GAP
Start	1591	End	1708
GI	20117_1.R1084	Score	213
Exons	1591..1708		

GI Descrip. '1915960/emb|CAA68913| 3.0e-30 (Y07636) peptidylprolyl isomerase [Triticum aestivum]'

Seq. No.	24802	Seq. ID	OJ990414_09.9922.C37
Gene No.	51509	Strand	-
Start	1199	End	2084
Name	OJ990414_09.9922.C37.o1.tc	Method	TBLASTX:Cress
Start	1592	End	1865
GI	none	Score	158
Exons	1592..1864, 1593..1865		

Seq. No.	24802	Seq. ID	OJ990414_09.9922.C37
Gene No.	51509	Strand	-
Start	1199	End	2084
Name	OJ990414_09.9922.C37.o1.ts	Method	TBLASTX:Soybean
Start	1592	End	1865
GI	none	Score	141
Exons	1592..1864, 1647..1865		

Seq. No.	24802	Seq. ID	OJ990414_09.9922.C37
Gene No.	51509	Strand	-
Start	1199	End	2084
Name	OJ990414_09.9922.C37.o1.tm	Method	TBLASTX:Maize
Start	1592	End	1933
GI	none	Score	188
Exons	1592..1933, 1722..1886, 1805..1927		

Seq. No.	24802	Seq. ID	OJ990414_09.9922.C37
Gene No.	51509	Strand	-
Start	1199	End	2084
Name	OJ990414_09.9922.C37.o1.tw	Method	TBLASTX:Wheat
Start	1667	End	1957
GI	none	Score	205
Exons	1667..1957, 1722..1892, 1802..1957		

Seq. No.	24803	Seq. ID	OJ990414_09.9922.C40
Gene No.	51510	Strand	+
Start	296	End	458
Name	OJ990414_09.9922.C40.o1.gp	Method	AAT/GAP
Start	296	End	458
GI	2763_1.R1084	Score	257
Exons	296..458		

GI Descrip. '4959460/gb|AF126053.1|AF126053 7.0e-11 Zea mays RACB small GTP binding protein mRNA, complete cds'

Seq. No.	24803	Seq. ID	OJ990414_09.9922.C40
Gene No.	51511	Strand	-
Start	298	End	444
Name	OJ990414_09.9922.C40.o1.gs	Method	GENSCAN
Start	298	End	444
GI	none	Score	.99
Exons	298..444		

Seq. No.	24804	Seq. ID	OJ990414_08.9922.C2
Gene No.	51512	Strand	+
Start	212	End	743
Name	OJ990414_08.9922.C2.o1.np	Method	AAT/NAP

Start	212	End	743
GI	1170621	Score	100
Exons	212..421, 510..743		
GI Descrip.	KINESIN-LIKE PROTEIN C gi|1084342|pir||S48020 kinesin-related protein katC - Arabidopsis thaliana gi|1438844|dbj|BAA04674| (D21138) heavy chain polypeptide of kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	24804	Seq. ID	OJ990414_08.9922.C2
Gene No.	51512	Strand	+
Start	212	End	743
Name	OJ990414_08.9922.C2.o1.gs	Method	GENSCAN
Start	221	End	654
GI	none	Score	.94
Exons	221..421, 510..654		

Seq. No.	24804	Seq. ID	OJ990414_08.9922.C2
Gene No.	51512	Strand	+
Start	212	End	743
Name	OJ990414_08.9922.C2.o2.gp	Method	AAT/GAP
Start	227	End	654
GI	uC-osf1M202097d05b1	Score	615
Exons	227..421, 510..654		
GI Descrip.	'1170620/sp|P46864|KATB_ARATH 4.0e-19 KINESIN-LIKE PROTEIN B >gi_1084341_pir__S48019 kinesin-related protein katB - Arabidopsis thaliana >gi_1438842_dbj_BAA04673_ (D21137) heavy chain polypeptide of kinesin-like protein [Arabidopsis thaliana]'		

Seq. No.	24804	Seq. ID	OJ990414_08.9922.C2
Gene No.	51512	Strand	+
Start	212	End	743
Name	OJ990414_08.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	284	End	655
GI	none	Score	129
Exons	284..421, 292..414, 507..653, 509..655, 509..634		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o1.gs	Method	GENSCAN
Start	680	End	5230
GI	none	Score	.95
Exons	680..5230		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o1.np	Method	AAT/NAP
Start	680	End	5227
GI	4680179	Score	6764
Exons	680..5227		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230

Name	OJ990414_08.9922.C6.o7.tw	Method	TBLASTX:Wheat
Start	893	End	1273
GI	none	Score	304
Exons	893..1273, 913..1272		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o6.tm	Method	TBLASTX:Maize
Start	1154	End	1486
GI	none	Score	226
Exons	1154..1486, 1177..1341		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o8.tw	Method	TBLASTX:Wheat
Start	1814	End	2215
GI	none	Score	150
Exons	1814..2038, 1828..1980, 2042..2215, 2075..2134, 2116..2184		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o8.tm	Method	TBLASTX:Maize
Start	1852	End	2128
GI	none	Score	195
Exons	1852..1953, 1853..2128		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o4.tw	Method	TBLASTX:Wheat
Start	2390	End	2872
GI	none	Score	546
Exons	2390..2872, 2494..2829		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o5.tm	Method	TBLASTX:Maize
Start	2402	End	2691
GI	none	Score	322
Exons	2402..2689, 2500..2691		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o4.ts	Method	TBLASTX:Soybean
Start	2426	End	2740
GI	none	Score	183
Exons	2426..2740, 2542..2739		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o3.tm	Method	TBLASTX:Maize

Start	2759	End	3259
GI	none	Score	157
Exons	2759..2938, 2924..3259, 3010..3141, 3166..3213		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	2813	End	3208
GI	none	Score	57
Exons	2813..2845, 2815..2841, 2849..3208, 2856..2996, 2861..3178, 2941..3207		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o5.tw	Method	TBLASTX:Wheat
Start	2921	End	3223
GI	none	Score	396
Exons	2921..3223, 2922..2999, 2924..3214, 2950..3222		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	3224	End	3733
GI	none	Score	619
Exons	3224..3733, 3232..3642, 3266..3646		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o3.ts	Method	TBLASTX:Soybean
Start	3230	End	3475
GI	none	Score	209
Exons	3230..3475		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	3296	End	3659
GI	none	Score	477
Exons	3296..3649, 3298..3642, 3336..3659		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o3.tw	Method	TBLASTX:Wheat
Start	3737	End	4216
GI	none	Score	587
Exons	3737..4216, 3770..4180, 3961..4215		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o1.tc	Method	TBLASTX:Cress

Start	3923	End	4240
GI	none	Score	90
Exons	3923..4096, 4097..4240, 4099..4239		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o2.ts	Method	TBLASTX:Soybean
Start	4004	End	4264
GI	none	Score	300
Exons	4004..4264, 4009..4263		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o4.tm	Method	TBLASTX:Maize
Start	4063	End	4354
GI	none	Score	390
Exons	4063..4350, 4064..4354		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	4223	End	4849
GI	none	Score	729
Exons	4223..4849, 4225..4848		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	4403	End	4990
GI	none	Score	226
Exons	4403..4564, 4409..4555, 4411..4557, 4562..4990, 4567..4659, 4729..4989		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o6.tw	Method	TBLASTX:Wheat
Start	4849	End	5182
GI	none	Score	366
Exons	4849..5181, 4850..5182		

Seq. No.	24805	Seq. ID	OJ990414_08.9922.C6
Gene No.	51513	Strand	+
Start	680	End	5230
Name	OJ990414_08.9922.C6.o7.tm	Method	TBLASTX:Maize
Start	4991	End	5203
GI	none	Score	206
Exons	4991..5203		

Seq. No.	24806	Seq. ID	OJ990414_08.9922.C7
Gene No.	51514	Strand	+
Start	5650	End	9017
Name	OJ990414_08.9922.C7.o1.np	Method	AAT/NAP

Start	5650	End	9017
GI	5852180	Score	651
Exons	5650..5708, 6692..6809, 6861..7271, 7971..8042, 8987..9017		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	24806	Seq. ID	OJ990414_08.9922.C7
Gene No.	51515	Strand	-
Start	374	End	2046
Name	OJ990414_08.9922.C7.o1.gs	Method	GENSCAN
Start	374	End	2046
GI	none	Score	.88
Exons	374..455, 939..1057, 1464..1600, 1923..2046		

Seq. No.	24806	Seq. ID	OJ990414_08.9922.C7
Gene No.	51516	Strand	-
Start	3046	End	4179
Name	OJ990414_08.9922.C7.o2.gs	Method	GENSCAN
Start	3046	End	4179
GI	none	Score	.98
Exons	3046..4179		

Seq. No.	24806	Seq. ID	OJ990414_08.9922.C7
Gene No.	51517	Strand	-
Start	5557	End	5940
Name	OJ990414_08.9922.C7.o1.gp	Method	AAT/GAP
Start	5557	End	5940
GI	uC-osf1cyp033a04b1	Score	669
Exons	5557..5940		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	24806	Seq. ID	OJ990414_08.9922.C7
Gene No.	51518	Strand	-
Start	6373	End	8738
Name	OJ990414_08.9922.C7.o3.gs	Method	GENSCAN
Start	6373	End	8738
GI	none	Score	.68
Exons	6373..6466, 6714..6853, 7017..7217, 8199..8292, 8623..8738		

Seq. No.	24807	Seq. ID	OJ990414_08.9922.C8
Gene No.	51519	Strand	-
Start	1	End	341
Name	OJ990414_08.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	341
GI	5295955	Score	163
Exons	1..341		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	24807	Seq. ID	OJ990414_08.9922.C8
Gene No.	51520	Strand	-
Start	250	End	257
Name	OJ990414_08.9922.C8.o1.gs	Method	GENSCAN
Start	250	End	257
GI	none	Score	.73
Exons	250..257		

Seq. No.	24808	Seq. ID	OJ990414_08.9922.C9
Gene No.	51521	Strand	-
Start	1	End	683
Name	OJ990414_08.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	683
GI	3327856	Score	216
Exons	1..683		
GI Descrip.	(AB009872) SLR1 [Orychophragmus violaceus]		

Seq. No.	24808	Seq. ID	OJ990414_08.9922.C9
Gene No.	51521	Strand	-
Start	1	End	683
Name	OJ990414_08.9922.C9.o1.gs	Method	GENSCAN
Start	66	End	564
GI	none	Score	.49
Exons	66..564		

Seq. No.	24808	Seq. ID	OJ990414_08.9922.C9
Gene No.	51521	Strand	-
Start	1	End	683
Name	OJ990414_08.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	219	End	652
GI	none	Score	40
Exons	219..284, 223..282, 267..515, 289..456, 309..494, 417..482, 465..641, 517..597, 562..645, 584..622, 586..639, 587..652		

Seq. No.	24808	Seq. ID	OJ990414_08.9922.C9
Gene No.	51521	Strand	-
Start	1	End	683
Name	OJ990414_08.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	228	End	633
GI	none	Score	44
Exons	228..329, 229..312, 375..485, 375..464, 486..632, 550..633		

Seq. No.	24809	Seq. ID	OJ990414_08.9922.C10
Gene No.	51522	Strand	+
Start	346	End	482
Name	OJ990414_08.9922.C10.o1.gs	Method	GENSCAN
Start	346	End	482
GI	none	Score	.54
Exons	346..482		

Seq. No.	24809	Seq. ID	OJ990414_08.9922.C10
Gene No.	51523	Strand	-
Start	1	End	437
Name	OJ990414_08.9922.C10.o1.np	Method	AAT/NAP
Start	1	End	437
GI	6539586	Score	230
Exons	1..35, 284..437		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51524	Strand	+
Start	89	End	446
Name	OJ990414_08.9922.C11.o1.gs	Method	GENSCAN
Start	89	End	446
GI	none	Score	.7

Exons	89..261, 378..446		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51525	Strand	+
Start	3464	End	12149
Name	OJ990414_08.9922.C11.o2.gs	Method	GENSCAN
Start	3464	End	12129
GI	none	Score	.5
Exons	3464..3584, 4764..4930, 5115..5315, 6018..6177, 6275..6488, 6706..6829, 7006..7196, 8661..8752, 8874..9353, 10889..11741, 11811..12129		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51525	Strand	+
Start	3464	End	12149
Name	OJ990414_08.9922.C11.o2.np	Method	AAT/NAP
Start	3467	End	6922
GI	1332411	Score	457
Exons	3467..3584, 4764..4930, 5115..5315, 6018..6189, 6305..6485, 6706..6922		
GI Descrip.	(D85102) dihydroflavonol 4-reductase [Rosa hybrida]		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51525	Strand	+
Start	3464	End	12149
Name	OJ990414_08.9922.C11.o1.gp	Method	AAT/GAP
Start	8909	End	9042
GI	uC-osf1M202039g09b1	Score	176
Exons	8909..9042		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51525	Strand	+
Start	3464	End	12149
Name	OJ990414_08.9922.C11.o3.np	Method	AAT/NAP
Start	8973	End	12149
GI	3152576	Score	602
Exons	8973..9353, 10889..11747, 11811..12149		
GI Descrip.	(AC002986) Similar to liver-specific transport protein gb|L27651 from Rattus norviegicus. [Arabidopsis thaliana]		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51525	Strand	+
Start	3464	End	12149
Name	OJ990414_08.9922.C11.o2.gp	Method	AAT/GAP
Start	11364	End	11685
GI	568937	Score	637
Exons	11364..11685		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51526	Strand	+
Start	13088	End	15675
Name	OJ990414_08.9922.C11.o3.gs	Method	GENSCAN
Start	13088	End	15675
GI	none	Score	.69
Exons	13088..13160, 13489..13733, 15439..15469, 15593..15675		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51527	Strand	+
Start	17197	End	18038
Name	OJ990414_08.9922.C11.o4.gp	Method	AAT/GAP
Start	17158	End	18038
GI	71813_1.R1084	Score	696
Exons	17158..17356, 17475..17575, 17949..18038		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51527	Strand	+
Start	17197	End	18038
Name	OJ990414_08.9922.C11.o4.np	Method	AAT/NAP
Start	17188	End	18038
GI	4262149	Score	290
Exons	17188..17356, 17475..17575, 17949..18038		
GI Descrip.	(AC005275) putative xyloglucan endotransglycosylase [Arabidopsis thaliana]		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51527	Strand	+
Start	17197	End	18038
Name	OJ990414_08.9922.C11.o4.gs	Method	GENSCAN
Start	17197	End	18023
GI	none	Score	.76
Exons	17197..17356, 17475..17579, 17932..18023		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51528	Strand	-
Start	1	End	5499
Name	OJ990414_08.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	5499
GI	6562752	Score	78
Exons	1..38, 2431..2807, 5473..5499		
GI Descrip.	(AL035475) hypothetical protein, MAL4P2.50 [Plasmodium falciparum]		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51528	Strand	-
Start	1	End	5499
Name	OJ990414_08.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	3451	End	5192
GI	none	Score	164
Exons	3451..3582, 3476..3583, 4742..4930, 4747..4932, 4763..4930, 4764..4931, 5088..5192		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51528	Strand	-
Start	1	End	5499
Name	OJ990414_08.9922.C11.o2.tw	Method	TBLASTX:Wheat
Start	3496	End	5228
GI	none	Score	125
Exons	3496..3582, 3497..3583, 3514..3585, 4763..4939, 4763..4912, 5112..5225, 5112..5228		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51529	Strand	
Start	9022	End	9355
Name	OJ990414_08.9922.C11.o1.tw	Method	TBLASTX:Wheat
Start	9022	End	9169
GI	none	Score	216
Exons	9022..9168, 9023..9169		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51529	Strand	
Start	9022	End	9355
Name	OJ990414_08.9922.C11.o2.ts	Method	TBLASTX:Soybean
Start	9023	End	9355
GI	4397580	Score	185
Exons	9023..9163, 9031..9165, 9239..9355, 9256..9354		
GI Descrip.	3152576 6.0e-14 (AC002986) Similar to liver-specific transport protein gb_L27651 from Rattus norviegicus. [Arabidopsis thaliana]		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51530	Strand	
Start	9260	End	11355
Name	OJ990414_08.9922.C11.o1.tc	Method	TBLASTX:Cress
Start	9260	End	11219
GI	none	Score	65
Exons	9260..9355, 10881..11219, 10882..11142		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51530	Strand	
Start	9260	End	11355
Name	OJ990414_08.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	10909	End	11355
GI	none	Score	322
Exons	10909..11187, 10911..11171, 11188..11355, 11214..11354		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51531	Strand	
Start	11461	End	11856
Name	OJ990414_08.9922.C11.o3.ts	Method	TBLASTX:Soybean
Start	11461	End	11856
GI	none	Score	269
Exons	11461..11742, 11809..11856		

Seq. No.	24810	Seq. ID	OJ990414_08.9922.C11
Gene No.	51532	Strand	
Start	17266	End	18038
Name	OJ990414_08.9922.C11.o4.ts	Method	TBLASTX:Soybean
Start	17266	End	18038
GI	none	Score	115
Exons	17266..17358, 17471..17581, 17473..17574, 17949..18038, 17951..18034		

Seq. No.	24811	Seq. ID	OJ990414_08.9922.C12
Gene No.	51533	Strand	+
Start	1	End	94
Name	OJ990414_08.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	94

GI	4490725	Score	96
Exons	1..94		
GI Descrip.	(AL035709) endo-xyloglucan transferase-like protein [Arabidopsis thaliana]		

Seq. No.	24811	Seq. ID	OJ990414_08.9922.C12
Gene No.	51534	Strand	+
Start	1	End	274
Name	OJ990414_08.9922.C12.o1.gp	Method	AAT/GAP
Start	1	End	274
GI	76282_1.R1084	Score	521
Exons	1..274		
GI Descrip.	'4262149/gb|AAD14449| 7.0e-17 (AC005275) putative xyloglucan endotransglycosylase [Arabidopsis thaliana]'		

Seq. No.	24811	Seq. ID	OJ990414_08.9922.C12
Gene No.	51535	Strand	+
Start	1190	End	2639
Name	OJ990414_08.9922.C12.o1.gs	Method	GENSCAN
Start	1190	End	2639
GI	none	Score	.72
Exons	1190..1210, 1778..2030, 2498..2574, 2589..2639		

Seq. No.	24811	Seq. ID	OJ990414_08.9922.C12
Gene No.	51536	Strand	-
Start	4337	End	10682
Name	OJ990414_08.9922.C12.o2.np	Method	AAT/NAP
Start	4269	End	9539
GI	531389	Score	519
Exons	4269..5106, 9511..9539		
GI Descrip.	(U12626) copia-like retrotransposon Hopscotch polyprotein [Zea mays]		

Seq. No.	24811	Seq. ID	OJ990414_08.9922.C12
Gene No.	51536	Strand	-
Start	4337	End	10682
Name	OJ990414_08.9922.C12.o2.gs	Method	GENSCAN
Start	4337	End	10682
GI	none	Score	.74
Exons	4337..4763, 4868..5061, 5710..5753, 6120..6217, 7098..7141, 7488..7607, 7737..8105, 8361..8511, 9352..9493, 10514..10682		

Seq. No.	24811	Seq. ID	OJ990414_08.9922.C12
Gene No.	51536	Strand	-
Start	4337	End	10682
Name	OJ990414_08.9922.C12.o2.gp	Method	AAT/GAP
Start	5721	End	5921
GI	3106943	Score	299
Exons	5721..5921		
GI Descrip.	1019378/dbj|D17785|RICNH4621 1.0e-104 Rice DNA for U3 small nuclear RNA, partial sequence		

Seq. No.	24811	Seq. ID	OJ990414_08.9922.C12
Gene No.	51536	Strand	-
Start	4337	End	10682
Name	OJ990414_08.9922.C12.o3.gp	Method	AAT/GAP
Start	7109	End	7308

GI	3106943	Score	374
Exons	7109..7308		
GI Descrip.	1019378/dbj|D17785|RICNH4621 1.0e-104 Rice DNA for U3 small nuclear RNA, partial sequence		

Seq. No.	24811	Seq. ID	OJ990414_08.9922.C12
Gene No.	51537	Strand	-
Start	12370	End	12814
Name	OJ990414_08.9922.C12.o3.np	Method	AAT/NAP
Start	12370	End	12814
GI	6069646	Score	409
Exons	12370..12814		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	24811	Seq. ID	OJ990414_08.9922.C12
Gene No.	51538	Strand	-
Start	14277	End	15934
Name	OJ990414_08.9922.C12.o4.tm	Method	TBLASTX:Maize
Start	1	End	144
GI	none	Score	183
Exons	1..144, 2..127		

Seq. No.	24811	Seq. ID	OJ990414_08.9922.C12
Gene No.	51538	Strand	-
Start	14277	End	15934
Name	OJ990414_08.9922.C12.o2.tm	Method	TBLASTX:Maize
Start	4255	End	4624
GI	none	Score	44
Exons	4255..4320, 4400..4624, 4400..4624		

Seq. No.	24811	Seq. ID	OJ990414_08.9922.C12
Gene No.	51538	Strand	-
Start	14277	End	15934
Name	OJ990414_08.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	4394	End	4926
GI	none	Score	114
Exons	4394..4744, 4395..4727, 4789..4926, 4808..4906		

Seq. No.	24811	Seq. ID	OJ990414_08.9922.C12
Gene No.	51538	Strand	-
Start	14277	End	15934
Name	OJ990414_08.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	4632	End	5080
GI	none	Score	70
Exons	4632..4739, 4634..4789, 4635..4727, 4796..5080, 4799..5074, 4801..5079		

Seq. No.	24811	Seq. ID	OJ990414_08.9922.C12
Gene No.	51538	Strand	-
Start	14277	End	15934
Name	OJ990414_08.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	4691	End	5079
GI	none	Score	87

Exons	4691..4777, 4801..4947, 4802..4948, 4960..5079		
Seq. No.	24811	Seq. ID	OJ990414_08.9922.C12
Gene No.	51538	Strand	-
Start	14277	End	15934
Name	OJ990414_08.9922.C12.o3.tm	Method	TBLASTX:Maize
Start	12480	End	12818
GI	none	Score	91
Exons	12480..12623, 12613..12732, 12711..12818		
Seq. No.	24811	Seq. ID	OJ990414_08.9922.C12
Gene No.	51538	Strand	-
Start	14277	End	15934
Name	OJ990414_08.9922.C12.o4.np	Method	AAT/NAP
Start	14277	End	15934
GI	6016874	Score	307
Exons	14277..14313, 15679..15934		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	24812	Seq. ID	OJ990414_08.9922.C13
Gene No.	51539	Strand	+
Start	3309	End	6611
Name	OJ990414_08.9922.C13.o2.gs	Method	GENSCAN
Start	3309	End	6611
GI	none	Score	.72
Exons	3309..3676, 3797..4163, 4414..4518, 4958..5023, 5185..5238, 5382..5524, 6482..6611		
Seq. No.	24812	Seq. ID	OJ990414_08.9922.C13
Gene No.	51539	Strand	+
Start	3309	End	6611
Name	OJ990414_08.9922.C13.o3.np	Method	AAT/NAP
Start	4462	End	5525
GI	4508068	Score	261
Exons	4462..4518, 4709..4774, 4958..5029, 5382..5525		
GI Descrip.	(AC005882) 3063 [Arabidopsis thaliana]		
Seq. No.	24812	Seq. ID	OJ990414_08.9922.C13
Gene No.	51540	Strand	-
Start	1	End	2080
Name	OJ990414_08.9922.C13.o1.np	Method	AAT/NAP
Start	1	End	2080
GI	6016874	Score	1586
Exons	1..243, 361..539, 933..1092, 1483..1715, 1780..1918, 2002..2080		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	24812	Seq. ID	OJ990414_08.9922.C13
Gene No.	51540	Strand	-
Start	1	End	2080
Name	OJ990414_08.9922.C13.o1.gs	Method	GENSCAN
Start	26	End	2080
GI	none	Score	.48
Exons	26..360, 933..1092, 1483..1715, 1780..2080		

Seq. No.	24812	Seq. ID	OJ990414_08.9922.C13
Gene No.	51540	Strand	-
Start	1	End	2080
Name	OJ990414_08.9922.C13.o1.gp	Method	AAT/GAP
Start	882	End	1390
GI	uC-osflcyp110c07b1	Score	966
Exons	882..1390		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	24812	Seq. ID	OJ990414_08.9922.C13
Gene No.	51541	Strand	-
Start	2479	End	2636
Name	OJ990414_08.9922.C13.o2.np	Method	AAT/NAP
Start	2479	End	2636
GI	6907084	Score	150
Exons	2479..2636		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24812	Seq. ID	OJ990414_08.9922.C13
Gene No.	51542	Strand	-
Start	8172	End	8492
Name	OJ990414_08.9922.C13.o3.tm	Method	TBLASTX:Maize
Start	2	End	209
GI	none	Score	108
Exons	2..199, 12..209		

Seq. No.	24812	Seq. ID	OJ990414_08.9922.C13
Gene No.	51542	Strand	-
Start	8172	End	8492
Name	OJ990414_08.9922.C13.o2.tm	Method	TBLASTX:Maize
Start	877	End	1191
GI	none	Score	108
Exons	877..1104, 878..1096, 1117..1191		

Seq. No.	24812	Seq. ID	OJ990414_08.9922.C13
Gene No.	51542	Strand	-
Start	8172	End	8492
Name	OJ990414_08.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	1285	End	1731
GI	none	Score	101
Exons	1285..1323, 1318..1374, 1411..1659, 1451..1660, 1645..1731		

Seq. No.	24812	Seq. ID	OJ990414_08.9922.C13
Gene No.	51542	Strand	-
Start	8172	End	8492
Name	OJ990414_08.9922.C13.o3.gs	Method	GENSCAN
Start	8172	End	8492
GI	none	Score	.67
Exons	8172..8492		

Seq. No.	24813	Seq. ID	OJ990414_08.9922.C14
Gene No.	51543	Strand	-
Start	889	End	4540
Name	OJ990414_08.9922.C14.o1.gs	Method	GENSCAN

Start	889	End	4509
GI	none	Score	.42
Exons	889..1191, 1273..1423, 1516..1666, 1857..2067, 2180..2361, 3255..4509		

Seq. No.	24813	Seq. ID	OJ990414_08.9922.C14
Gene No.	51543	Strand	-
Start	889	End	4540
Name	OJ990414_08.9922.C14.o1.np	Method	AAT/NAP
Start	892	End	4540
GI	836954	Score	1296
Exons	892..1191, 1273..1423, 1516..1753, 1857..2067, 2180..2417, 2793..2904, 3262..4540		
GI Descrip.	(U20948) receptor protein kinase [Ipomoea trifida]		

Seq. No.	24813	Seq. ID	OJ990414_08.9922.C14
Gene No.	51543	Strand	-
Start	889	End	4540
Name	OJ990414_08.9922.C14.o1.tc	Method	TBLASTX:Cress
Start	964	End	2320
GI	none	Score	86
Exons	964..1182, 980..1117, 1316..1417, 1327..1419, 1518..1760, 1519..1734, 1857..2009, 1858..2067, 1928..2017, 2180..2320		

Seq. No.	24813	Seq. ID	OJ990414_08.9922.C14
Gene No.	51543	Strand	-
Start	889	End	4540
Name	OJ990414_08.9922.C14.o1.ts	Method	TBLASTX:Soybean
Start	965	End	2212
GI	none	Score	115
Exons	965..1180, 970..1203, 1012..1203, 1319..1423, 1327..1449, 1328..1423, 1518..1769, 1519..1755, 1542..1769, 1849..1881, 1885..2067, 1886..2008, 1891..2070, 2180..2212		

Seq. No.	24813	Seq. ID	OJ990414_08.9922.C14
Gene No.	51543	Strand	-
Start	889	End	4540
Name	OJ990414_08.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	979	End	1911
GI	none	Score	89
Exons	979..1191, 980..1195, 1273..1422, 1307..1423, 1513..1755, 1524..1754, 1854..1901, 1858..1911		

Seq. No.	24813	Seq. ID	OJ990414_08.9922.C14
Gene No.	51543	Strand	-
Start	889	End	4540
Name	OJ990414_08.9922.C14.o3.tw	Method	TBLASTX:Wheat
Start	986	End	1191
GI	none	Score	68
Exons	986..1114, 988..1191		

Seq. No.	24813	Seq. ID	OJ990414_08.9922.C14
Gene No.	51543	Strand	-
Start	889	End	4540
Name	OJ990414_08.9922.C14.o1.tw	Method	TBLASTX:Wheat
Start	1273	End	1691
GI	none	Score	57

Exons	1273..1419, 1273..1422, 1292..1423, 1518..1688, 1518..1691, 1519..1689		
Seq. No.	24813	Seq. ID	OJ990414_08.9922.C14
Gene No.	51543	Strand	-
Start	889	End	4540
Name	OJ990414_08.9922.C14.o2.tw	Method	TBLASTX:Wheat
Start	1692	End	2083
GI	none	Score	126
Exons	1692..1760, 1850..2083, 1858..2067		
Seq. No.	24813	Seq. ID	OJ990414_08.9922.C14
Gene No.	51543	Strand	-
Start	889	End	4540
Name	OJ990414_08.9922.C14.o2.tm	Method	TBLASTX:Maize
Start	1912	End	2563
GI	none	Score	153
Exons	1912..2067, 1913..2068, 1915..2070, 2180..2362, 2180..2362, 2447..2563		
Seq. No.	24813	Seq. ID	OJ990414_08.9922.C14
Gene No.	51543	Strand	-
Start	889	End	4540
Name	OJ990414_08.9922.C14.o4.tm	Method	TBLASTX:Maize
Start	3304	End	3506
GI	none	Score	51
Exons	3304..3357, 3304..3384, 3314..3373, 3346..3501, 3350..3502, 3355..3501, 3372..3506, 3374..3502		
Seq. No.	24813	Seq. ID	OJ990414_08.9922.C14
Gene No.	51543	Strand	-
Start	889	End	4540
Name	OJ990414_08.9922.C14.o2.tc	Method	TBLASTX:Cress
Start	3568	End	4404
GI	none	Score	65
Exons	3568..3615, 3613..3753, 3869..3979, 3871..4002, 4036..4128, 4037..4084, 4174..4404, 4253..4384		
Seq. No.	24813	Seq. ID	OJ990414_08.9922.C14
Gene No.	51543	Strand	-
Start	889	End	4540
Name	OJ990414_08.9922.C14.o3.tm	Method	TBLASTX:Maize
Start	3859	End	4341
GI	none	Score	41
Exons	3859..3951, 3889..3936, 3943..4341, 3965..4333		
Seq. No.	24813	Seq. ID	OJ990414_08.9922.C14
Gene No.	51543	Strand	-
Start	889	End	4540
Name	OJ990414_08.9922.C14.o2.ts	Method	TBLASTX:Soybean
Start	3955	End	4413
GI	none	Score	88
Exons	3955..4089, 3959..4090, 4084..4191, 4108..4368, 4264..4338, 4348..4413		
Seq. No.	24814	Seq. ID	OJ990414_08.9922.C15
Gene No.	51544	Strand	-

Start	39	End	1340
Name	OJ990414_08.9922.C15.o1.gs	Method	GENSCAN
Start	39	End	1338
GI	none	Score	.85
Exons	39..479, 836..1108, 1258..1338		

Seq. No.	24814	Seq. ID	OJ990414_08.9922.C15
Gene No.	51544	Strand	-
Start	39	End	1340
Name	OJ990414_08.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	691	End	1340
GI	none	Score	54
Exons	691..744, 707..742, 800..1123, 800..1120, 1183..1338, 1202..1339, 1206..1340		

Seq. No.	24814	Seq. ID	OJ990414_08.9922.C15
Gene No.	51544	Strand	-
Start	39	End	1340
Name	OJ990414_08.9922.C15.o1.np	Method	AAT/NAP
Start	788	End	1340
GI	3021267	Score	269
Exons	788..1117, 1174..1340		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	24814	Seq. ID	OJ990414_08.9922.C15
Gene No.	51544	Strand	-
Start	39	End	1340
Name	OJ990414_08.9922.C15.o1.ts	Method	TBLASTX:Soybean
Start	887	End	1326
GI	none	Score	76
Exons	887..1180, 909..1115, 1238..1324, 1243..1326		

Seq. No.	24814	Seq. ID	OJ990414_08.9922.C15
Gene No.	51544	Strand	-
Start	39	End	1340
Name	OJ990414_08.9922.C15.o1.tc	Method	TBLASTX:Cress
Start	911	End	1339
GI	none	Score	64
Exons	911..1138, 915..1034, 1237..1338, 1238..1339		

Seq. No.	24815	Seq. ID	OJ990414_08.9922.C16
Gene No.	51545	Strand	+
Start	3511	End	4896
Name	OJ990414_08.9922.C16.o2.gs	Method	GENSCAN
Start	3511	End	4896
GI	none	Score	.95
Exons	3511..3569, 4275..4445, 4815..4896		

Seq. No.	24815	Seq. ID	OJ990414_08.9922.C16
Gene No.	51546	Strand	-
Start	21	End	6073
Name	OJ990414_08.9922.C16.o1.ts	Method	TBLASTX:Soybean
Start	9	End	6028
GI	none	Score	100
Exons	9..59, 114..332, 450..557, 453..554, 455..556, 648..779, 649..741, 652..894, 653..823, 672..893, 1006..1209, 1070..1210,		

1282..1473, 1283..1363, 5224..5427, 5225..5428, 5254..5478, 5557..5676, 5574..5675, 5772..5858, 5773..5868, 5774..6028, 5820..5876

Seq. No.	24815	Seq. ID	OJ990414_08.9922.C16
Gene No.	51546	Strand	-
Start	21	End	6073
Name	OJ990414_08.9922.C16.o1.tm	Method	TBLASTX:Maize
Start	12	End	5706
GI	none	Score	244
Exons	12..335, 12..332, 395..571, 403..570, 414..581, 5127..5168, 5187..5225, 5224..5427, 5225..5431, 5523..5558, 5544..5699, 5550..5705, 5557..5706, 5563..5706		

Seq. No.	24815	Seq. ID	OJ990414_08.9922.C16
Gene No.	51546	Strand	-
Start	21	End	6073
Name	OJ990414_08.9922.C16.o1.np	Method	AAT/NAP
Start	21	End	6071
GI	6686398	Score	1625
Exons	21..320, 407..557, 649..886, 987..1197, 1282..1410, 1440..1642, 1964..3152, 5124..5427, 5523..5676, 5772..6071		
GI Descrip.	(AC007234) F1E22.15 [Arabidopsis thaliana]		

Seq. No.	24815	Seq. ID	OJ990414_08.9922.C16
Gene No.	51546	Strand	-
Start	21	End	6073
Name	OJ990414_08.9922.C16.o1.gs	Method	GENSCAN
Start	48	End	3218
GI	none	Score	.78
Exons	48..320, 470..557, 649..832, 987..1197, 1282..1463, 1541..1642, 1964..3218		

Seq. No.	24815	Seq. ID	OJ990414_08.9922.C16
Gene No.	51546	Strand	-
Start	21	End	6073
Name	OJ990414_08.9922.C16.o1.tc	Method	TBLASTX:Cress
Start	123	End	6073
GI	none	Score	88
Exons	123..350, 449..553, 450..554, 652..864, 672..893, 982..1128, 1006..1200, 1070..1198, 1282..1422, 1283..1363, 5224..5427, 5234..5356, 5553..5672, 5569..5673, 5584..5676, 5771..5950, 5772..5945, 5774..6073		

Seq. No.	24815	Seq. ID	OJ990414_08.9922.C16
Gene No.	51546	Strand	-
Start	21	End	6073
Name	OJ990414_08.9922.C16.o1.tw	Method	TBLASTX:Wheat
Start	279	End	5947
GI	none	Score	105
Exons	279..338, 407..556, 435..557, 651..821, 652..822, 672..824, 5553..5675, 5569..5676, 5774..5947, 5775..5945		

Seq. No.	24815	Seq. ID	OJ990414_08.9922.C16
Gene No.	51546	Strand	-
Start	21	End	6073
Name	OJ990414_08.9922.C16.o2.tm	Method	TBLASTX:Maize

Start	709	End	6028
GI	none	Score	167
Exons	709..888, 711..896, 987..1172, 988..1182, 1006..1176, 5832..5987, 5834..6028, 5837..6010		

Seq. No.	24815	Seq. ID	OJ990414_08.9922.C16
Gene No.	51546	Strand	-
Start	21	End	6073
Name	OJ990414_08.9922.C16.o2.tw	Method	TBLASTX:Wheat
Start	825	End	6028
GI	none	Score	41
Exons	825..893, 826..894, 980..1198, 1006..1200, 5948..6028		

Seq. No.	24815	Seq. ID	OJ990414_08.9922.C16
Gene No.	51546	Strand	-
Start	21	End	6073
Name	OJ990414_08.9922.C16.o5.tm	Method	TBLASTX:Maize
Start	1185	End	1632
GI	none	Score	117
Exons	1185..1199, 1271..1387, 1282..1464, 1285..1464, 1536..1631, 1537..1632		

Seq. No.	24815	Seq. ID	OJ990414_08.9922.C16
Gene No.	51546	Strand	-
Start	21	End	6073
Name	OJ990414_08.9922.C16.o4.tm	Method	TBLASTX:Maize
Start	2005	End	2211
GI	none	Score	62
Exons	2005..2052, 2009..2077, 2010..2063, 2059..2178, 2060..2176, 2064..2210, 2065..2211		

Seq. No.	24815	Seq. ID	OJ990414_08.9922.C16
Gene No.	51546	Strand	-
Start	21	End	6073
Name	OJ990414_08.9922.C16.o3.tm	Method	TBLASTX:Maize
Start	2592	End	3025
GI	none	Score	40
Exons	2592..2657, 2596..2655, 2640..2888, 2662..2829, 2682..2867, 2790..2855, 2838..3014, 2890..2970, 2935..3018, 2957..2995, 2959..3012, 2960..3025		

Seq. No.	24815	Seq. ID	OJ990414_08.9922.C16
Gene No.	51546	Strand	-
Start	21	End	6073
Name	OJ990414_08.9922.C16.o2.tc	Method	TBLASTX:Cress
Start	2601	End	3146
GI	none	Score	44
Exons	2601..2702, 2602..2685, 2748..2858, 2748..2837, 2859..3005, 2923..3006, 2997..3146		

Seq. No.	24815	Seq. ID	OJ990414_08.9922.C16
Gene No.	51546	Strand	-
Start	21	End	6073
Name	OJ990414_08.9922.C16.o2.ts	Method	TBLASTX:Soybean
Start	2661	End	3158
GI	none	Score	75
Exons	2661..2795, 2665..2793, 2868..2948, 2907..3008, 2969..3010,		

3048..3158

Seq. No.	24815	Seq. ID	OJ990414_08.9922.C16
Gene No.	51546	Strand	-
Start	21	End	6073
Name	OJ990414_08.9922.C16.o3.gs	Method	GENSCAN
Start	5161	End	5911
GI	none	Score	.68
Exons	5161..5310, 5523..5676, 5772..5911		

Seq. No.	24816	Seq. ID	OJ990414_08.9922.C17
Gene No.	51547	Strand	-
Start	1	End	2639
Name	OJ990414_08.9922.C17.o1.np	Method	AAT/NAP
Start	1	End	1590
GI	3056594	Score	307
Exons	1..19, 323..466, 494..1590		
GI Descrip.	(AC004255) T1F9.15 [Arabidopsis thaliana]		

Seq. No.	24816	Seq. ID	OJ990414_08.9922.C17
Gene No.	51547	Strand	-
Start	1	End	2639
Name	OJ990414_08.9922.C17.o1.gs	Method	GENSCAN
Start	194	End	2582
GI	none	Score	.66
Exons	194..295, 375..1156, 1209..1562, 2026..2222, 2310..2393, 2460..2582		

Seq. No.	24816	Seq. ID	OJ990414_08.9922.C17
Gene No.	51547	Strand	-
Start	1	End	2639
Name	OJ990414_08.9922.C17.o2.tm	Method	TBLASTX:Maize
Start	420	End	641
GI	none	Score	59
Exons	420..479, 421..495, 436..480, 471..626, 482..625, 484..639, 498..641		

Seq. No.	24816	Seq. ID	OJ990414_08.9922.C17
Gene No.	51547	Strand	-
Start	1	End	2639
Name	OJ990414_08.9922.C17.o2.np	Method	AAT/NAP
Start	831	End	2639
GI	4587577	Score	159
Exons	831..853, 2171..2639		
GI Descrip.	(AC006550) F10O3.17 [Arabidopsis thaliana]		

Seq. No.	24816	Seq. ID	OJ990414_08.9922.C17
Gene No.	51547	Strand	-
Start	1	End	2639
Name	OJ990414_08.9922.C17.o3.tm	Method	TBLASTX:Maize
Start	1036	End	1418
GI	none	Score	42
Exons	1036..1146, 1175..1201, 1176..1226, 1199..1240, 1289..1411, 1289..1417, 1293..1418		

Seq. No.	24816	Seq. ID	OJ990414_08.9922.C17
Gene No.	51547	Strand	-

Start	1	End	2639
Name	OJ990414_08.9922.C17.o1.tm	Method	TBLASTX:Maize
Start	2179	End	2588
GI	none	Score	87
Exons	2179..2232, 2181..2231, 2309..2341, 2310..2507, 2311..2481, 2472..2540, 2544..2588		

Seq. No.	24816	Seq. ID	OJ990414_08.9922.C17
Gene No.	51547	Strand	-
Start	1	End	2639
Name	OJ990414_08.9922.C17.o1.ts	Method	TBLASTX:Soybean
Start	2199	End	2459
GI	none	Score	114
Exons	2199..2231, 2277..2459, 2320..2457		

Seq. No.	24817	Seq. ID	OJ990414_08.9922.C18
Gene No.	51548	Strand	+
Start	365	End	947
Name	OJ990414_08.9922.C18.o1.gs	Method	GENSCAN
Start	365	End	947
GI	none	Score	.96
Exons	365..617, 811..947		

Seq. No.	24817	Seq. ID	OJ990414_08.9922.C18
Gene No.	51549	Strand	+
Start	2224	End	2694
Name	OJ990414_08.9922.C18.o1.gp	Method	AAT/GAP
Start	2224	End	2694
GI	LIB3432-020-P1-K1-H1	Score	889
Exons	2224..2694		
GI Descrip.	'2735017 1.0e-40 (U82481) KI domain interacting kinase 1 [Zea mays]'		

Seq. No.	24817	Seq. ID	OJ990414_08.9922.C18
Gene No.	51550	Strand	-
Start	400	End	805
Name	OJ990414_08.9922.C18.o1.np	Method	AAT/NAP
Start	400	End	805
GI	5734709	Score	63
Exons	400..466, 493..805		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	24817	Seq. ID	OJ990414_08.9922.C18
Gene No.	51551	Strand	-
Start	1481	End	3310
Name	OJ990414_08.9922.C18.o2.tm	Method	TBLASTX:Maize
Start	1479	End	2059
GI	none	Score	182
Exons	1479..1523, 1481..1798, 1481..1798, 1552..1803, 1570..1803, 1881..2057, 1931..2059, 1933..2058, 1955..2059		

Seq. No.	24817	Seq. ID	OJ990414_08.9922.C18
Gene No.	51551	Strand	-
Start	1481	End	3310
Name	OJ990414_08.9922.C18.o2.gs	Method	GENSCAN
Start	1481	End	3011

GI	none	Score	.8
Exons	1481..1783, 1893..2043, 2177..2414, 2519..2762, 2833..3011		

Seq. No.	24817	Seq. ID	OJ990414_08.9922.C18
Gene No.	51551	Strand	-
Start	1481	End	3310
Name	OJ990414_08.9922.C18.o2.np	Method	AAT/NAP
Start	1484	End	3310
GI	3402758	Score	850
Exons	1484..1783, 1893..2043, 2177..2414, 2519..2729, 2833..3017, 3177..3310		
GI Descrip.	(AL031187) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	24817	Seq. ID	OJ990414_08.9922.C18
Gene No.	51551	Strand	-
Start	1481	End	3310
Name	OJ990414_08.9922.C18.o2.ts	Method	TBLASTX:Soybean
Start	1569	End	1801
GI	none	Score	71
Exons	1569..1685, 1571..1801		

Seq. No.	24817	Seq. ID	OJ990414_08.9922.C18
Gene No.	51551	Strand	-
Start	1481	End	3310
Name	OJ990414_08.9922.C18.o2.tc	Method	TBLASTX:Cress
Start	1571	End	1819
GI	none	Score	84
Exons	1571..1819, 1572..1796		

Seq. No.	24817	Seq. ID	OJ990414_08.9922.C18
Gene No.	51551	Strand	-
Start	1481	End	3310
Name	OJ990414_08.9922.C18.o2.tw	Method	TBLASTX:Wheat
Start	1580	End	1798
GI	none	Score	63
Exons	1580..1783, 1581..1703, 1622..1798		

Seq. No.	24817	Seq. ID	OJ990414_08.9922.C18
Gene No.	51551	Strand	-
Start	1481	End	3310
Name	OJ990414_08.9922.C18.o1.ts	Method	TBLASTX:Soybean
Start	1932	End	2904
GI	none	Score	64
Exons	1932..2045, 1948..2046, 2200..2406, 2212..2391, 2225..2407, 2520..2732, 2521..2730, 2833..2904		

Seq. No.	24817	Seq. ID	OJ990414_08.9922.C18
Gene No.	51551	Strand	-
Start	1481	End	3310
Name	OJ990414_08.9922.C18.o1.tw	Method	TBLASTX:Wheat
Start	2155	End	2600
GI	none	Score	35
Exons	2155..2196, 2173..2394, 2184..2309, 2200..2406, 2228..2416, 2513..2587, 2516..2590, 2520..2600, 2520..2597		

Seq. No.	24817	Seq. ID	OJ990414_08.9922.C18

Gene No.	51551	Strand	-
Start	1481	End	3310
Name	OJ990414_08.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	2239	End	2708
GI	none	Score	178
Exons	2239..2412, 2251..2415, 2510..2704, 2515..2703, 2520..2708, 2533..2706		

Seq. No.	24817	Seq. ID	OJ990414_08.9922.C18
Gene No.	51551	Strand	-
Start	1481	End	3310
Name	OJ990414_08.9922.C18.o1.tc	Method	TBLASTX:Cress
Start	2257	End	2940
GI	none	Score	103
Exons	2257..2406, 2258..2416, 2516..2566, 2520..2570, 2574..2732, 2587..2730, 2833..2940		

Seq. No.	24817	Seq. ID	OJ990414_08.9922.C18
Gene No.	51551	Strand	-
Start	1481	End	3310
Name	OJ990414_08.9922.C18.o3.tm	Method	TBLASTX:Maize
Start	2831	End	3310
GI	none	Score	135
Exons	2831..3004, 2832..3026, 2833..3006, 2833..3027, 3215..3310, 3216..3305		

Seq. No.	24818	Seq. ID	OJ990414_08.9922.C19
Gene No.	51552	Strand	-
Start	1	End	475
Name	OJ990414_08.9922.C19.o1.np	Method	AAT/NAP
Start	1	End	472
GI	2252839	Score	213
Exons	1..472		
GI Descrip.	(AF013293) Similar to receptor-like protein kinase precusor [Arabidopsis thaliana] gi|6049881|gb|AAF02796.1|AF195115_16 (AF195115) Similar to receptor-like protein kinase precusor; F5I10.19 [Arabidopsis thaliana]		

Seq. No.	24818	Seq. ID	OJ990414_08.9922.C19
Gene No.	51552	Strand	-
Start	1	End	475
Name	OJ990414_08.9922.C19.o1.tm	Method	TBLASTX:Maize
Start	2	End	427
GI	none	Score	103
Exons	2..130, 39..119, 44..127, 46..153, 123..308, 137..322, 144..308, 157..312, 314..427, 332..424		

Seq. No.	24818	Seq. ID	OJ990414_08.9922.C19
Gene No.	51552	Strand	-
Start	1	End	475
Name	OJ990414_08.9922.C19.o1.gs	Method	GENSCAN
Start	24	End	475
GI	none	Score	.58
Exons	24..475		

Seq. No.	24818	Seq. ID	OJ990414_08.9922.C19
Gene No.	51552	Strand	-

Start	1	End	475
Name	OJ990414_08.9922.C19.o1.tc	Method	TBLASTX:Cress
Start	26	End	385
GI	none	Score	75
Exons	26..385, 27..161		

Seq. No.	24819	Seq. ID	OJ990414_08.9922.C20
Gene No.	51553	Strand	-
Start	18	End	1210
Name	OJ990414_08.9922.C20.o1.ts	Method	TBLASTX:Soybean
Start	14	End	712
GI	none	Score	87
Exons	14..193, 20..265, 21..257, 350..481, 351..569, 403..504, 641..712		

Seq. No.	24819	Seq. ID	OJ990414_08.9922.C20
Gene No.	51553	Strand	-
Start	18	End	1210
Name	OJ990414_08.9922.C20.o1.gs	Method	GENSCAN
Start	18	End	1198
GI	none	Score	.65
Exons	18..255, 655..834, 898..1014, 1144..1198		

Seq. No.	24819	Seq. ID	OJ990414_08.9922.C20
Gene No.	51553	Strand	-
Start	18	End	1210
Name	OJ990414_08.9922.C20.o1.tm	Method	TBLASTX:Maize
Start	18	End	745
GI	none	Score	171
Exons	18..236, 20..265, 351..569, 406..504, 641..745		

Seq. No.	24819	Seq. ID	OJ990414_08.9922.C20
Gene No.	51553	Strand	-
Start	18	End	1210
Name	OJ990414_08.9922.C20.o1.np	Method	AAT/NAP
Start	20	End	1210
GI	4455151	Score	561
Exons	20..255, 350..560, 641..999, 1147..1210		
GI Descrip.	(AL022603) putative serine/threonine kinase (fragment) [Arabidopsis thaliana]		

Seq. No.	24819	Seq. ID	OJ990414_08.9922.C20
Gene No.	51553	Strand	-
Start	18	End	1210
Name	OJ990414_08.9922.C20.o1.tc	Method	TBLASTX:Cress
Start	20	End	724
GI	none	Score	108
Exons	20..265, 21..236, 336..482, 344..475, 351..569, 421..504, 641..724		

Seq. No.	24819	Seq. ID	OJ990414_08.9922.C20
Gene No.	51553	Strand	-
Start	18	End	1210
Name	OJ990414_08.9922.C20.o1.tw	Method	TBLASTX:Wheat
Start	141	End	563
GI	none	Score	72
Exons	141..305, 143..265, 351..563, 403..507		

Seq. No.	24820	Seq. ID	OJ990414_08.9922.C21
Gene No.	51554	Strand	+
Start	328	End	2192
Name	OJ990414_08.9922.C21.o1.np	Method	AAT/NAP
Start	328	End	2192
GI	5803259	Score	2747
Exons	328..1440, 1538..2192		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	24820	Seq. ID	OJ990414_08.9922.C21
Gene No.	51554	Strand	+
Start	328	End	2192
Name	OJ990414_08.9922.C21.o1.gs	Method	GENSCAN
Start	404	End	2120
GI	none	Score	.63
Exons	404..1440, 1538..2120		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51555	Strand	+
Start	25	End	546
Name	OJ990414_08.9922.C22.o1.gs	Method	GENSCAN
Start	25	End	546
GI	none	Score	.65
Exons	25..546		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51556	Strand	-
Start	1186	End	8403
Name	OJ990414_08.9922.C22.o2.gs	Method	GENSCAN
Start	1186	End	8403
GI	none	Score	.67
Exons	1186..1632, 1642..4713, 4732..4914, 4993..5569, 5669..7359, 7416..7520, 7880..7923, 8319..8403		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51556	Strand	-
Start	1186	End	8403
Name	OJ990414_08.9922.C22.o1.np	Method	AAT/NAP
Start	1189	End	6836
GI	6498441	Score	6905
Exons	1189..1470, 1564..2961, 3133..3429, 3622..4048, 4223..4357, 4541..4914, 4978..5441, 5772..6836		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51556	Strand	-
Start	1186	End	8403
Name	OJ990414_08.9922.C22.o2.np	Method	AAT/NAP
Start	7573	End	8056
GI	5042454	Score	186
Exons	7573..7626, 7880..8056		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22

Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o6.tw	Method	TBLASTX:Wheat
Start	1198	End	1800
GI	none	Score	74
Exons	1198..1323, 1202..1324, 1498..1800, 1517..1795		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o4.tw	Method	TBLASTX:Wheat
Start	1801	End	6430
GI	none	Score	169
Exons	1801..2181, 1832..2080, 1840..2181, 2126..2182, 6350..6430		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o3.tm	Method	TBLASTX:Maize
Start	1957	End	2319
GI	none	Score	192
Exons	1957..2004, 1996..2319, 2009..2290		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o8.tw	Method	TBLASTX:Wheat
Start	2512	End	2824
GI	none	Score	60
Exons	2512..2772, 2726..2824		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o5.tw	Method	TBLASTX:Wheat
Start	2827	End	3389
GI	none	Score	88
Exons	2827..2976, 2828..2965, 2830..2967, 3011..3196, 3037..3246, 3037..3261, 3369..3389		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o1.ts	Method	TBLASTX:Soybean
Start	3886	End	4257
GI	none	Score	89
Exons	3886..4257, 4097..4240		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o2.tw	Method	TBLASTX:Wheat
Start	3916	End	4336
GI	none	Score	310
Exons	3916..4335, 3923..4336		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22

Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o2.tm	Method	TBLASTX:Maize
Start	4009	End	4393
GI	none	Score	226
Exons	4009..4392, 4028..4393		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o1.tm	Method	TBLASTX:Maize
Start	4420	End	4776
GI	none	Score	133
Exons	4420..4725, 4420..4776, 4430..4741		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o1.tw	Method	TBLASTX:Wheat
Start	4444	End	4907
GI	none	Score	219
Exons	4444..4905, 4450..4905, 4451..4906, 4464..4907		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o3.ts	Method	TBLASTX:Soybean
Start	4501	End	4866
GI	none	Score	111
Exons	4501..4635, 4642..4866		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o3.tw	Method	TBLASTX:Wheat
Start	5098	End	5557
GI	none	Score	175
Exons	5098..5556, 5102..5362, 5420..5557		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o5.tm	Method	TBLASTX:Maize
Start	6397	End	6682
GI	none	Score	108
Exons	6397..6645, 6398..6682		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o7.tw	Method	TBLASTX:Wheat
Start	6431	End	6687
GI	none	Score	77
Exons	6431..6568, 6433..6552, 6535..6633, 6536..6628, 6640..6687		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-

Start	8394	End	11137
Name	OJ990414_08.9922.C22.o3.np	Method	AAT/NAP
Start	8394	End	11137
GI	5732928	Score	373
Exons	8394..8435, 9682..9802, 9920..10093, 10268..10439, 10568..10771, 10948..11137		
GI Descrip.	(AF169801) dihydroflavonol-4-reductase [Lilium hybrid cultivar VII cv. 'Acapulco']		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o3.gs	Method	GENSCAN
Start	8771	End	11109
GI	none	Score	.93
Exons	8771..8905, 9481..9502, 9682..9795, 9910..10123, 10280..10439, 10568..10771, 10948..11109		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o1.gp	Method	AAT/GAP
Start	9659	End	10017
GI	2797550	Score	444
Exons	9659..9795, 9910..10017		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o2.ts	Method	TBLASTX:Soybean
Start	9717	End	10082
GI	none	Score	54
Exons	9717..9794, 9718..9792, 9909..10082, 9913..10080		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o9.tw	Method	TBLASTX:Wheat
Start	10656	End	11115
GI	none	Score	109
Exons	10656..10763, 10661..10774, 10661..10774, 10767..10805, 10951..11115, 10966..11115		

Seq. No.	24821	Seq. ID	OJ990414_08.9922.C22
Gene No.	51557	Strand	-
Start	8394	End	11137
Name	OJ990414_08.9922.C22.o4.tm	Method	TBLASTX:Maize
Start	10694	End	11136
GI	none	Score	68
Exons	10694..10774, 10695..10769, 10946..11131, 10947..11114, 10948..11136, 10948..11115		

Seq. No.	24822	Seq. ID	OJ990414_08.9922.C23
Gene No.	51558	Strand	-
Start	1	End	6580
Name	OJ990414_08.9922.C23.o1.np	Method	AAT/NAP
Start	1	End	503

GI	2239260	Score	90
Exons	1..20, 272..503		
GI Descrip.	(Y13734) cinnamoyl CoA reductase [Zea mays]		

Seq. No.	24822	Seq. ID	OJ990414_08.9922.C23
Gene No.	51558	Strand	-
Start	1	End	6580
Name	OJ990414_08.9922.C23.o1.tw	Method	TBLASTX:Wheat
Start	312	End	5666
GI	none	Score	100
Exons	312..404, 313..405, 4819..4914, 4821..4934, 5037..5219, 5053..5211, 5063..5242, 5069..5212, 5574..5660, 5579..5665, 5580..5666		

Seq. No.	24822	Seq. ID	OJ990414_08.9922.C23
Gene No.	51558	Strand	-
Start	1	End	6580
Name	OJ990414_08.9922.C23.o1.gs	Method	GENSCAN
Start	317	End	6580
GI	none	Score	.6
Exons	317..502, 2470..2594, 3276..3389, 3486..3723, 4025..4184, 4731..4931, 5045..5211, 5578..5779, 6482..6580		

Seq. No.	24822	Seq. ID	OJ990414_08.9922.C23
Gene No.	51558	Strand	-
Start	1	End	6580
Name	OJ990414_08.9922.C23.o1.tc	Method	TBLASTX:Cress
Start	318	End	5707
GI	none	Score	84
Exons	318..392, 381..437, 4803..4934, 5045..5200, 5579..5707		

Seq. No.	24822	Seq. ID	OJ990414_08.9922.C23
Gene No.	51558	Strand	-
Start	1	End	6580
Name	OJ990414_08.9922.C23.o2.np	Method	AAT/NAP
Start	3236	End	5710
GI	6689826	Score	643
Exons	3236..3389, 3489..3723, 4025..4184, 4731..4931, 5045..5211, 5578..5710		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	24822	Seq. ID	OJ990414_08.9922.C23
Gene No.	51558	Strand	-
Start	1	End	6580
Name	OJ990414_08.9922.C23.o2.tm	Method	TBLASTX:Maize
Start	3248	End	3533
GI	none	Score	141
Exons	3248..3370, 3249..3371, 3254..3391, 3256..3375, 3481..3516, 3486..3533, 3486..3530, 3488..3532		

Seq. No.	24822	Seq. ID	OJ990414_08.9922.C23
Gene No.	51558	Strand	-
Start	1	End	6580
Name	OJ990414_08.9922.C23.o1.ts	Method	TBLASTX:Soybean
Start	3311	End	3691
GI	none	Score	80
Exons	3311..3388, 3488..3577, 3626..3691		

Seq. No.	24822	Seq. ID	OJ990414_08.9922.C23
Gene No.	51558	Strand	-
Start	1	End	6580
Name	OJ990414_08.9922.C23.o1.tm	Method	TBLASTX:Maize
Start	4794	End	5170
GI	none	Score	112
Exons	4794..4934, 4813..4932, 5045..5170, 5045..5170		

Seq. No.	24822	Seq. ID	OJ990414_08.9922.C23
Gene No.	51558	Strand	-
Start	1	End	6580
Name	OJ990414_08.9922.C23.o1.gp	Method	AAT/GAP
Start	4830	End	5823
GI	17023_1.R1084	Score	861
Exons	4830..4931, 5045..5211, 5578..5823		
GI Descrip.	'4508073/gb|AAD21417.1| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	24823	Seq. ID	OJ990414_08.9922.C24
Gene No.	51559	Strand	-
Start	1583	End	4744
Name	OJ990414_08.9922.C24.o1.gs	Method	GENSCAN
Start	1583	End	4696
GI	none	Score	.92
Exons	1583..1841, 1942..2179, 2589..2748, 3613..3813, 4067..4285, 4574..4696		

Seq. No.	24823	Seq. ID	OJ990414_08.9922.C24
Gene No.	51559	Strand	-
Start	1583	End	4744
Name	OJ990414_08.9922.C24.o2.np	Method	AAT/NAP
Start	1636	End	4744
GI	1706370	Score	317
Exons	1636..1841, 1942..2179, 2589..2748, 3613..3813, 4067..4233, 4574..4744		
GI Descrip.	DIHYDROFLAVONOL-4-REDUCTASE (DFR) (DIHYDROKAEMPFEROL 4-REDUCTASE) gi|1067127|emb|CAA91924| (Z67983) dihydroflavonol 4-reductase [Dianthus caryophyllus]		

Seq. No.	24823	Seq. ID	OJ990414_08.9922.C24
Gene No.	51559	Strand	-
Start	1583	End	4744
Name	OJ990414_08.9922.C24.o1.np	Method	AAT/NAP
Start	1680	End	4708
GI	6689826	Score	570
Exons	1680..1841, 1945..2179, 2589..2748, 3613..3813, 4067..4233, 4574..4708		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	24823	Seq. ID	OJ990414_08.9922.C24
Gene No.	51560	Strand	-
Start	7322	End	7574
Name	OJ990414_08.9922.C24.o1.tw	Method	TBLASTX:Wheat
Start	3700	End	4664
GI	none	Score	74
Exons	3700..3816, 3701..3856, 3701..3784, 3703..3816, 4059..4241,		

4091..4234, 4569..4622, 4570..4623, 4622..4663, 4623..4664

Seq. No.	24823	Seq. ID	OJ990414_08.9922.C24
Gene No.	51560	Strand	-
Start	7322	End	7574
Name	OJ990414_08.9922.C24.o1.tm	Method	TBLASTX:Maize
Start	3736	End	4709
GI	none	Score	208
Exons	3736..3816, 4023..4241, 4067..4234, 4566..4622, 4570..4620, 4622..4708, 4626..4709		

Seq. No.	24823	Seq. ID	OJ990414_08.9922.C24
Gene No.	51560	Strand	-
Start	7322	End	7574
Name	OJ990414_08.9922.C24.o3.np	Method	AAT/NAP
Start	7322	End	7574
GI	3894187	Score	114
Exons	7322..7574		
GI Descrip.	(AC005662) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24824	Seq. ID	OJ990414_08.9922.C25
Gene No.	51561	Strand	+
Start	382	End	1595
Name	OJ990414_08.9922.C25.o2.np	Method	AAT/NAP
Start	382	End	1595
GI	6721543	Score	90
Exons	382..510, 1161..1236, 1555..1595		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	24824	Seq. ID	OJ990414_08.9922.C25
Gene No.	51562	Strand	-
Start	128	End	228
Name	OJ990414_08.9922.C25.o1.np	Method	AAT/NAP
Start	128	End	228
GI	5777617	Score	80
Exons	128..228		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	24824	Seq. ID	OJ990414_08.9922.C25
Gene No.	51563	Strand	-
Start	1020	End	6970
Name	OJ990414_08.9922.C25.o1.gp	Method	AAT/GAP
Start	742	End	1195
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	742..1195		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	24824	Seq. ID	OJ990414_08.9922.C25
Gene No.	51563	Strand	-
Start	1020	End	6970
Name	OJ990414_08.9922.C25.o1.gs	Method	GENSCAN
Start	1020	End	6970
GI	none	Score	.47
Exons	1020..1180, 1331..1533, 1538..1585, 1649..1780, 2027..2124, 2151..2276, 2369..2575, 2754..3005, 3096..3506, 3681..3927, 4033..4183, 4630..4919, 5120..6271, 6330..6970		

Seq. No.	24824	Seq. ID	OJ990414_08.9922.C25
Gene No.	51563	Strand	-
Start	1020	End	6970
Name	OJ990414_08.9922.C25.o3.np	Method	AAT/NAP
Start	1299	End	6799
GI	5441880	Score	4708
Exons	1299..1533, 1649..1780, 2027..2124, 2369..2627, 2707..3005, 3591..3927, 4033..4183, 4744..5058, 5317..5348, 5793..6799		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	24824	Seq. ID	OJ990414_08.9922.C25
Gene No.	51563	Strand	-
Start	1020	End	6970
Name	OJ990414_08.9922.C25.o2.gp	Method	AAT/GAP
Start	2377	End	2879
GI	LIB3475-007-P1-K1-G8	Score	794
Exons	2377..2627, 2707..2879		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	24824	Seq. ID	OJ990414_08.9922.C25
Gene No.	51563	Strand	-
Start	1020	End	6970
Name	OJ990414_08.9922.C25.o1.tw	Method	TBLASTX:Wheat
Start	5563	End	5943
GI	none	Score	79
Exons	5563..5739, 5593..5739, 5624..5743, 5737..5931, 5749..5943		

Seq. No.	24824	Seq. ID	OJ990414_08.9922.C25
Gene No.	51563	Strand	-
Start	1020	End	6970
Name	OJ990414_08.9922.C25.o1.tm	Method	TBLASTX:Maize
Start	5641	End	6237
GI	none	Score	145
Exons	5641..5712, 5776..6075, 5837..6058, 6109..6237, 6131..6229		

Seq. No.	24824	Seq. ID	OJ990414_08.9922.C25
Gene No.	51563	Strand	-
Start	1020	End	6970
Name	OJ990414_08.9922.C25.o3.gp	Method	AAT/GAP
Start	5763	End	6194
GI	5701669	Score	829
Exons	5763..6194		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	24825	Seq. ID	OJ990414_08.9922.C26
Gene No.	51564	Strand	+
Start	174	End	363
Name	OJ990414_08.9922.C26.o1.gs	Method	GENSCAN
Start	174	End	363
GI	none	Score	.81

Exons	174..363		
Seq. No.	24825	Seq. ID	OJ990414_08.9922.C26
Gene No.	51565	Strand	+
Start	6604	End	6675
Name	OJ990414_08.9922.C26.o3.gp	Method	AAT/GAP
Start	6604	End	6675
GI	uC-osflM202097d10b1	Score	101
Exons	6604..6675		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		
Seq. No.	24825	Seq. ID	OJ990414_08.9922.C26
Gene No.	51566	Strand	+
Start	9366	End	9602
Name	OJ990414_08.9922.C26.o4.gs	Method	GENSCAN
Start	9366	End	9602
GI	none	Score	.67
Exons	9366..9602		
Seq. No.	24825	Seq. ID	OJ990414_08.9922.C26
Gene No.	51567	Strand	-
Start	680	End	7908
Name	OJ990414_08.9922.C26.o2.gs	Method	GENSCAN
Start	680	End	3432
GI	none	Score	.84
Exons	680..844, 846..1036, 1670..1728, 1850..1984, 2060..2279, 2393..2552, 2650..2859, 2943..3118, 3309..3432		
Seq. No.	24825	Seq. ID	OJ990414_08.9922.C26
Gene No.	51567	Strand	-
Start	680	End	7908
Name	OJ990414_08.9922.C26.o1.gp	Method	AAT/GAP
Start	1653	End	2301
GI	33857_1.R1084	Score	901
Exons	1653..1984, 2060..2301		
GI Descrip.	'4508073/gb|AAD21417.1| 5.0e-22 (AC005882) 43220 [Arabidopsis thaliana]'		
Seq. No.	24825	Seq. ID	OJ990414_08.9922.C26
Gene No.	51567	Strand	-
Start	680	End	7908
Name	OJ990414_08.9922.C26.o1.np	Method	AAT/NAP
Start	1828	End	7756
GI	6689826	Score	598
Exons	1828..1992, 2074..2268, 2382..2553, 6227..6440, 7188..7354, 7624..7756		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		
Seq. No.	24825	Seq. ID	OJ990414_08.9922.C26
Gene No.	51567	Strand	-
Start	680	End	7908
Name	OJ990414_08.9922.C26.o1.ts	Method	TBLASTX:Soybean
Start	1903	End	5535
GI	none	Score	97
Exons	1903..1968, 2071..2226, 2075..2227, 5193..5258, 5368..5460, 5458..5535		

Seq. No.	24825	Seq. ID	OJ990414_08.9922.C26
Gene No.	51567	Strand	-
Start	680	End	7908
Name	OJ990414_08.9922.C26.o2.tm	Method	TBLASTX:Maize
Start	2107	End	6102
GI	none	Score	75
Exons	2107..2226, 2108..2215, 2128..2241, 2138..2284, 2230..2283, 2385..2525, 2386..2523, 5405..5449, 5424..5450, 5464..5556, 5468..5554, 5965..6102, 5966..6070		

Seq. No.	24825	Seq. ID	OJ990414_08.9922.C26
Gene No.	51567	Strand	-
Start	680	End	7908
Name	OJ990414_08.9922.C26.o2.ts	Method	TBLASTX:Soybean
Start	2385	End	7760
GI	none	Score	80
Exons	2385..2552, 2659..2718, 2749..2862, 2976..3068, 3316..3405, 3317..3409, 5944..6129, 6231..6290, 6315..6443, 7188..7304, 7628..7717, 7632..7760		

Seq. No.	24825	Seq. ID	OJ990414_08.9922.C26
Gene No.	51567	Strand	-
Start	680	End	7908
Name	OJ990414_08.9922.C26.o1.tm	Method	TBLASTX:Maize
Start	2739	End	7325
GI	none	Score	132
Exons	2739..2861, 2746..2862, 2776..2862, 2940..3077, 2976..3077, 2977..3090, 3072..3101, 3073..3102, 6300..6443, 6301..6441, 6303..6470, 7182..7310, 7188..7325		

Seq. No.	24825	Seq. ID	OJ990414_08.9922.C26
Gene No.	51567	Strand	-
Start	680	End	7908
Name	OJ990414_08.9922.C26.o1.tw	Method	TBLASTX:Wheat
Start	2744	End	7712
GI	none	Score	108
Exons	2744..2833, 2746..2862, 2776..2862, 2976..3119, 2976..3119, 3304..3396, 3305..3397, 6330..6443, 6331..6417, 7191..7358, 7206..7355, 7619..7711, 7620..7712		

Seq. No.	24825	Seq. ID	OJ990414_08.9922.C26
Gene No.	51567	Strand	-
Start	680	End	7908
Name	OJ990414_08.9922.C26.o1.tc	Method	TBLASTX:Cress
Start	2749	End	7753
GI	none	Score	64
Exons	2749..2862, 2964..3119, 3310..3417, 6312..6443, 6331..6414, 7182..7406, 7188..7358, 7625..7753		

Seq. No.	24825	Seq. ID	OJ990414_08.9922.C26
Gene No.	51567	Strand	-
Start	680	End	7908
Name	OJ990414_08.9922.C26.o2.gp	Method	AAT/GAP
Start	2994	End	3541
GI	uC-osflcyp017f04b1	Score	612
Exons	2994..3118, 3309..3541		

GI Descrip. '4508073/gb|AAD21417.1| 2.0e-17 (AC005882) 43220 [Arabidopsis thaliana]'

Seq. No.	24825	Seq. ID	OJ990414_08.9922.C26
Gene No.	51567	Strand	-
Start	680	End	7908
Name	OJ990414_08.9922.C26.o3.gs	Method	GENSCAN
Start	5121	End	7908
GI	none	Score	.97
Exons	5121..5274, 5357..5576, 5970..6129, 6222..6440, 7188..7354, 7624..7774, 7813..7908		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51568	Strand	+
Start	704	End	7435
Name	OJ990414_08.9922.C27.o1.gs	Method	GENSCAN
Start	704	End	7435
GI	none	Score	.43
Exons	704..755, 1212..1469, 2076..2117, 2697..6857, 7086..7435		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51568	Strand	+
Start	704	End	7435
Name	OJ990414_08.9922.C27.o1.np	Method	AAT/NAP
Start	2705	End	6874
GI	4234852	Score	4441
Exons	2705..2865, 2908..6874		

GI Descrip. (AF082133) gag-pol polyprotein [Zea mays]

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51569	Strand	+
Start	16564	End	18000
Name	OJ990414_08.9922.C27.o4.gs	Method	GENSCAN
Start	16564	End	18000
GI	none	Score	.8
Exons	16564..16969, 17882..18000		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51570	Strand	+
Start	19505	End	20035
Name	OJ990414_08.9922.C27.o5.gs	Method	GENSCAN
Start	19505	End	20035
GI	none	Score	.58
Exons	19505..19522, 19748..20035		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51571	Strand	-
Start	6934	End	9982
Name	OJ990414_08.9922.C27.o2.np	Method	AAT/NAP
Start	6934	End	9965
GI	5852933	Score	348
Exons	6934..6993, 7580..7703, 7794..8044, 8155..8343, 8631..8809, 9518..9684, 9848..9965		

GI Descrip. (AF167556) dihydroflavonol-4-reductase DFR1 [Glycine max]

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51571	Strand	-

Start	6934	End	9982
Name	OJ990414_08.9922.C27.o2.gs	Method	GENSCAN
Start	7577	End	9968
GI	none	Score	.93
Exons	7577..7727, 7818..8052, 8155..8296, 8600..8809, 9518..9684, 9848..9968		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51571	Strand	-
Start	6934	End	9982
Name	OJ990414_08.9922.C27.o1.gp	Method	AAT/GAP
Start	9526	End	9982
GI	17023_1.R1084	Score	422
Exons	9526..9684, 9848..9982		
GI Descrip.	'4508073/gb|AAD21417.1| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o1.tm	Method	TBLASTX:Maize
Start	2797	End	3808
GI	none	Score	586
Exons	2797..3375, 2798..3406, 3416..3547, 3487..3528, 3652..3702, 3743..3808		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o5.tw	Method	TBLASTX:Wheat
Start	3728	End	4165
GI	none	Score	110
Exons	3728..3925, 3995..4165		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o2.ts	Method	TBLASTX:Soybean
Start	4022	End	4408
GI	none	Score	344
Exons	4022..4408, 4033..4239		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o2.tw	Method	TBLASTX:Wheat
Start	4184	End	4846
GI	none	Score	252
Exons	4184..4423, 4198..4422, 4463..4768, 4486..4746, 4747..4821, 4748..4846		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o5.tm	Method	TBLASTX:Maize
Start	4199	End	4657
GI	none	Score	128

Exons	4199..4423, 4472..4657, 4474..4635		
Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o3.tc	Method	TBLASTX:Cress
Start	4463	End	4843
GI	none	Score	123
Exons	4463..4663, 4676..4843		
Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o5.ts	Method	TBLASTX:Soybean
Start	4463	End	4849
GI	none	Score	186
Exons	4463..4672, 4465..4644, 4676..4849		
Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o1.ts	Method	TBLASTX:Soybean
Start	5360	End	5797
GI	5509260	Score	365
Exons	5360..5797, 5449..5721, 5764..5796		
GI Descrip.	-		
Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o2.tc	Method	TBLASTX:Cress
Start	5447	End	5707
GI	none	Score	249
Exons	5447..5707, 5449..5685		
Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o1.tw	Method	TBLASTX:Wheat
Start	5488	End	6268
GI	none	Score	359
Exons	5488..5835, 5489..5833, 5489..5842, 5818..6264, 5828..6268		
Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o4.tm	Method	TBLASTX:Maize
Start	5489	End	5932
GI	none	Score	275
Exons	5489..5797, 5506..5796, 5831..5932		
Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o3.tm	Method	TBLASTX:Maize
Start	5933	End	6364
GI	none	Score	81

Exons	5933..6094, 6068..6364, 6208..6363		
Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o4.ts	Method	TBLASTX:Soybean
Start	6254	End	6820
GI	none	Score	131
Exons	6254..6436, 6449..6640, 6629..6820		
Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o9.tm	Method	TBLASTX:Maize
Start	6377	End	6835
GI	none	Score	55
Exons	6377..6436, 6419..6595, 6644..6835		
Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o3.tw	Method	TBLASTX:Wheat
Start	6424	End	6823
GI	none	Score	278
Exons	6424..6657, 6428..6823		
Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o4.tw	Method	TBLASTX:Wheat
Start	8699	End	9936
GI	none	Score	106
Exons	8699..8812, 8700..8783, 9518..9676, 9522..9677, 9536..9682, 9574..9681, 9843..9935, 9844..9936		
Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o6.tm	Method	TBLASTX:Maize
Start	8732	End	10008
GI	none	Score	73
Exons	8732..8818, 8732..8812, 9515..9682, 9518..9685, 9522..9686, 9840..9950, 9841..10008, 9850..9954		
Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o2.gp	Method	AAT/GAP
Start	10687	End	11148
GI	2442924	Score	556
Exons	10687..10962, 11108..11148		
GI Descrip.	5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]		
Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551

Name	OJ990414_08.9922.C27.o3.np	Method	AAT/NAP
Start	10816	End	15532
GI	4850399	Score	1597
Exons	10816..10962, 11108..11215, 11314..11373, 11407..11445, 11542..11954, 12024..12228, 12283..12408, 12902..12955, 13039..13113, 13209..13268, 13602..13706, 13976..14029, 14119..14268, 14373..14505, 14573..14697, 14826..15002, 15134..15532		
GI Descrip.	(AC007357) F3F19.18 [Arabidopsis thaliana]		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o7.ts	Method	TBLASTX:Soybean
Start	10843	End	11583
GI	none	Score	65
Exons	10843..10962, 10866..10970, 10894..10965, 11099..11215, 11100..11216, 11308..11385, 11542..11583		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o2.tm	Method	TBLASTX:Maize
Start	11168	End	14190
GI	none	Score	110
Exons	11168..11215, 11308..11415, 11313..11471, 11315..11422, 11538..11771, 11541..11771, 11841..11909, 11922..12026, 11938..12021, 11948..12025, 12016..12228, 12025..12231, 12027..12230, 12295..12405, 12296..12406, 12305..12406, 12330..12410, 12351..12407, 12867..12956, 12899..12958, 12903..12956, 13036..13134, 13039..13113, 13206..13274, 13209..13274, 13595..13699, 13602..13700, 13603..13698, 13876..13926, 13973..14032, 13974..14030, 13975..14031, 14119..14190, 14126..14188		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o3.gs	Method	GENSCAN
Start	11464	End	15544
GI	none	Score	.8
Exons	11464..12255, 12307..12408, 13976..14029, 14119..14268, 14373..14505, 14573..14697, 14826..15002, 15134..15544		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o3.gp	Method	AAT/GAP
Start	11960	End	12396
GI	427365	Score	681
Exons	11960..12228, 12307..12396		
GI Descrip.	4850399/gb|AAD31069.1|AC007357_18 1.0e-13 (AC007357) F3F19.18 [Arabidopsis thaliana]		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551

Name	OJ990414_08.9922.C27.o6.ts	Method	TBLASTX:Soybean
Start	12304	End	13241
GI	none	Score	117
Exons	12304..12405, 12305..12409, 12902..12958, 12905..12955, 13036..13134, 13039..13113, 13206..13241		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o7.tm	Method	TBLASTX:Maize
Start	14409	End	14700
GI	none	Score	101
Exons	14409..14504, 14417..14503, 14463..14507, 14470..14508, 14542..14700, 14546..14695, 14571..14699, 14572..14700		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o3.ts	Method	TBLASTX:Soybean
Start	14563	End	14943
GI	none	Score	93
Exons	14563..14712, 14573..14695, 14826..14942, 14842..14943		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o1.tc	Method	TBLASTX:Cress
Start	15143	End	15475
GI	none	Score	114
Exons	15143..15313, 15344..15475		

Seq. No.	24826	Seq. ID	OJ990414_08.9922.C27
Gene No.	51572	Strand	-
Start	10687	End	15551
Name	OJ990414_08.9922.C27.o8.tm	Method	TBLASTX:Maize
Start	15386	End	15551
GI	none	Score	93
Exons	15386..15550, 15438..15551		

Seq. No.	24827	Seq. ID	OJ990414_08.9922.C28
Gene No.	51573	Strand	+
Start	1	End	4104
Name	OJ990414_08.9922.C28.o1.np	Method	AAT/NAP
Start	1	End	3578
GI	1170619	Score	1478
Exons	1..235, 323..530, 621..826, 902..976, 1059..1205, 1344..1485, 1595..1704, 2057..2215, 2293..2494, 2782..2863, 3019..3123, 3205..3309, 3402..3578		
GI Descrip.	KINESIN-LIKE PROTEIN A gi|479594|pir||S34830 kinesin-related protein katA - Arabidopsis thaliana gi|303502|dbj|BAA01972| (D11371) kinesin-like motor protein heavy chain [Arabidopsis thaliana] gi|2911084|emb|CAA17546.1| (AL021960) kinesin-related protein katA [Arabidopsis thaliana]		

Seq. No.	24827	Seq. ID	OJ990414_08.9922.C28
Gene No.	51573	Strand	+
Start	1	End	4104

Name	OJ990414_08.9922.C28.o1.tm	Method	TBLASTX:Maize
Start	114	End	1712
GI	none	Score	162
Exons	114..233, 116..244, 169..237, 317..523, 322..528, 323..532, 579..797, 596..826, 622..828, 623..880, 891..932, 897..959, 901..963, 901..1005, 1053..1160, 1058..1159, 1152..1208, 1161..1205, 1343..1402, 1344..1487, 1439..1492, 1585..1629, 1593..1628, 1649..1666, 1665..1712, 1665..1712		

Seq. No.	24827	Seq. ID	OJ990414_08.9922.C28
Gene No.	51573	Strand	+
Start	1	End	4104
Name	OJ990414_08.9922.C28.o1.gs	Method	GENSCAN
Start	116	End	4104
GI	none	Score	.91
Exons	116..235, 323..526, 617..826, 902..976, 1059..1205, 1344..1485, 1595..1704, 2057..2215, 2293..2459, 2782..2863, 3019..3123, 3205..3309, 3402..3503, 3961..4104		

Seq. No.	24827	Seq. ID	OJ990414_08.9922.C28
Gene No.	51573	Strand	+
Start	1	End	4104
Name	OJ990414_08.9922.C28.o1.tc	Method	TBLASTX:Cress
Start	332	End	3587
GI	none	Score	159
Exons	332..529, 337..465, 623..826, 901..975, 1056..1205, 1061..1207, 1344..1400, 1389..1487, 1569..1712, 1585..1722, 1618..1728, 2054..2119, 2114..2224, 2125..2217, 2287..2367, 2289..2336, 2368..2436, 2439..2495, 2776..2862, 2777..2863, 3012..3119, 3016..3123, 3202..3309, 3204..3302, 3378..3587, 3392..3541		

Seq. No.	24827	Seq. ID	OJ990414_08.9922.C28
Gene No.	51573	Strand	+
Start	1	End	4104
Name	OJ990414_08.9922.C28.o3.ts	Method	TBLASTX:Soybean
Start	358	End	739
GI	none	Score	120
Exons	358..468, 359..532, 623..739, 628..738		

Seq. No.	24827	Seq. ID	OJ990414_08.9922.C28
Gene No.	51573	Strand	+
Start	1	End	4104
Name	OJ990414_08.9922.C28.o2.ts	Method	TBLASTX:Soybean
Start	1398	End	2439
GI	none	Score	65
Exons	1398..1490, 1594..1722, 1601..1705, 1605..1712, 1609..1728, 2036..2113, 2054..2134, 2114..2224, 2131..2217, 2287..2340, 2289..2333, 2377..2439, 2379..2438		

Seq. No.	24827	Seq. ID	OJ990414_08.9922.C28
Gene No.	51573	Strand	+
Start	1	End	4104
Name	OJ990414_08.9922.C28.o2.tm	Method	TBLASTX:Maize
Start	2028	End	2363
GI	none	Score	261
Exons	2028..2213, 2054..2224, 2054..2215, 2288..2362, 2288..2362, 2289..2363		

Seq. No.	24827	Seq. ID	OJ990414_08.9922.C28
Gene No.	51573	Strand	+
Start	1	End	4104
Name	OJ990414_08.9922.C28.o3.tm	Method	TBLASTX:Maize
Start	3016	End	3451
GI	none	Score	146
Exons	3016..3120, 3030..3119, 3063..3125, 3201..3299, 3204..3302, 3205..3309, 3208..3315, 3378..3449, 3392..3451		

Seq. No.	24827	Seq. ID	OJ990414_08.9922.C28
Gene No.	51573	Strand	+
Start	1	End	4104
Name	OJ990414_08.9922.C28.o1.gp	Method	AAT/GAP
Start	3081	End	3900
GI	25545_1.R1084	Score	1247
Exons	3081..3123, 3205..3309, 3402..3900		
GI Descrip.	'1170619/sp|Q07970|KATA_ARATH 5.0e-47 KINESIN-LIKE PROTEIN A >gi_479594_pir__S34830 kinesin-related protein katA - Arabidopsis thaliana >gi_303502_dbj_BAA01972_ (D11371) kinesin-like motor protein heavy chain [Arabidopsis thaliana] >gi_2911084_emb_CAA17546.1_ (AL021960) kinesin-related protein katA [Arabidopsis thaliana]'		

Seq. No.	24827	Seq. ID	OJ990414_08.9922.C28
Gene No.	51573	Strand	+
Start	1	End	4104
Name	OJ990414_08.9922.C28.o1.ts	Method	TBLASTX:Soybean
Start	3088	End	3584
GI	none	Score	55
Exons	3088..3120, 3090..3119, 3204..3302, 3205..3309, 3205..3315, 3378..3584, 3392..3553		

Seq. No.	24827	Seq. ID	OJ990414_08.9922.C28
Gene No.	51573	Strand	+
Start	1	End	4104
Name	OJ990414_08.9922.C28.o4.tm	Method	TBLASTX:Maize
Start	3452	End	3783
GI	none	Score	166
Exons	3452..3556, 3453..3611, 3453..3617, 3664..3762, 3664..3783		

Seq. No.	24828	Seq. ID	OJ990414_08.9922.C29
Gene No.	51574	Strand	-
Start	1104	End	1303
Name	OJ990414_08.9922.C29.o1.gs	Method	GENSCAN
Start	1104	End	1303
GI	none	Score	.6
Exons	1104..1303		

Seq. No.	24829	Seq. ID	OJ990414_08.9922.C30
Gene No.	51575	Strand	+
Start	354	End	445
Name	OJ990414_08.9922.C30.o1.gs	Method	GENSCAN
Start	354	End	445
GI	none	Score	.84
Exons	354..445		

Seq. No.	24830	Seq. ID	OJ990414_08.9922.C33
Gene No.	51576	Strand	+
Start	1	End	574
Name	OJ990414_08.9922.C33.o1.np	Method	AAT/NAP
Start	1	End	574
GI	4680179	Score	865
Exons	1..574		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	24830	Seq. ID	OJ990414_08.9922.C33
Gene No.	51576	Strand	+
Start	1	End	574
Name	OJ990414_08.9922.C33.o1.gs	Method	GENSCAN
Start	70	End	439
GI	none	Score	.55
Exons	70..439		

Seq. No.	24830	Seq. ID	OJ990414_08.9922.C33
Gene No.	51576	Strand	+
Start	1	End	574
Name	OJ990414_08.9922.C33.o1.tw	Method	TBLASTX:Wheat
Start	98	End	389
GI	none	Score	133
Exons	98..178, 100..180, 101..184, 188..376, 196..279, 216..389		

Seq. No.	24830	Seq. ID	OJ990414_08.9922.C33
Gene No.	51576	Strand	+
Start	1	End	574
Name	OJ990414_08.9922.C33.o1.tm	Method	TBLASTX:Maize
Start	197	End	574
GI	none	Score	157
Exons	197..376, 362..574, 448..567		

Seq. No.	24830	Seq. ID	OJ990414_08.9922.C33
Gene No.	51576	Strand	+
Start	1	End	574
Name	OJ990414_08.9922.C33.o1.ts	Method	TBLASTX:Soybean
Start	251	End	574
GI	none	Score	57
Exons	251..283, 253..279, 287..574, 294..434, 379..567		

Seq. No.	24830	Seq. ID	OJ990414_08.9922.C33
Gene No.	51576	Strand	+
Start	1	End	574
Name	OJ990414_08.9922.C33.o2.tw	Method	TBLASTX:Wheat
Start	391	End	574
GI	none	Score	239
Exons	391..567, 392..574		

Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51577	Strand	+
Start	3414	End	9722
Name	OJ990414_02.9923.C2.o1.gp	Method	AAT/GAP
Start	3294	End	3706
GI	702095	Score	715
Exons	3294..3706		
GI Descrip.	4490338/emb|CAB38620.1| 3.0e-11 (AL035656) putative		

auxin-induced protein [Arabidopsis thaliana]

Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51577	Strand	+
Start	3414	End	9722
Name	OJ990414_02.9923.C2.o1.np	Method	AAT/NAP
Start	3408	End	9692
GI	416692	Score	173
Exons	3408..3603, 9619..9692		
GI Descrip.	AUXIN-INDUCED PROTEIN 6B gi|81764|pir||JQ1098 auxin-induced protein 6B - soybean gi|255577|bbs|113700 (S44175) orf 6B [Glycine max=soybeans, cv. Wayne, Peptide, 90 aa] [Glycine max]		

Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51577	Strand	+
Start	3414	End	9722
Name	OJ990414_02.9923.C2.o2.gs	Method	GENSCAN
Start	3414	End	8770
GI	none	Score	.49
Exons	3414..3621, 3800..3975, 4146..4166, 4303..4394, 8115..8253, 8405..8613, 8674..8770		

Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51577	Strand	+
Start	3414	End	9722
Name	OJ990414_02.9923.C2.o3.gs	Method	GENSCAN
Start	9414	End	9722
GI	none	Score	.7
Exons	9414..9722		

Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51578	Strand	+
Start	10746	End	18456
Name	OJ990414_02.9923.C2.o2.np	Method	AAT/NAP
Start	10746	End	12657
GI	6091724	Score	301
Exons	10746..11099, 12185..12325, 12472..12657		
GI Descrip.	(AC010797) putative adenylate kinase [Arabidopsis thaliana]		

Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51578	Strand	+
Start	10746	End	18456
Name	OJ990414_02.9923.C2.o4.gs	Method	GENSCAN
Start	10746	End	18456
GI	none	Score	.69
Exons	10746..10960, 11869..11947, 12185..12325, 12472..12723, 13276..13424, 13590..13660, 13749..13795, 14194..14690, 14770..14891, 15029..15275, 15358..15415, 15491..15580, 17008..17097, 17291..17449, 17525..17646, 18357..18456		

Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51578	Strand	+
Start	10746	End	18456
Name	OJ990414_02.9923.C2.o3.np	Method	AAT/NAP
Start	15362	End	18352
GI	1001955	Score	615
Exons	15362..15415, 15491..15583, 16542..16604, 17008..17097,		

	17291..17449, 17525..17646, 18195..18352		
GI Descrip.	(U19099) unknown protein [Lycopersicon chilense]		
Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51578	Strand	+
Start	10746	End	18456
Name	OJ990414_02.9923.C2.o2.gp	Method	AAT/GAP
Start	16991	End	17678
GI	286880	Score	678
Exons	16991..17097, 17291..17449, 17525..17678		
GI Descrip.	1001955 3.0e-53 (U19099) unknown protein [Lycopersicon chilense]		
Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51579	Strand	+
Start	19886	End	23437
Name	OJ990414_02.9923.C2.o5.gs	Method	GENSCAN
Start	19886	End	23437
GI	none	Score	.75
Exons	19886..20064, 20200..20445, 20483..20510, 21650..21752, 22389..22444, 22568..22744, 23108..23437		
Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51579	Strand	+
Start	19886	End	23437
Name	OJ990414_02.9923.C2.o4.np	Method	AAT/NAP
Start	21645	End	23197
GI	4585994	Score	214
Exons	21645..21752, 22389..22446, 22583..22744, 22871..22984, 23108..23197		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		
Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51580	Strand	+
Start	24009	End	26534
Name	OJ990414_02.9923.C2.o1.tm	Method	TBLASTX:Maize
Start	11028	End	12724
GI	none	Score	95
Exons	11028..11102, 11031..11102, 12146..12322, 12182..12325, 12184..12330, 12463..12723, 12473..12508, 12501..12722, 12560..12724		
Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51580	Strand	+
Start	24009	End	26534
Name	OJ990414_02.9923.C2.o3.tm	Method	TBLASTX:Maize
Start	13252	End	13464
GI	none	Score	234
Exons	13252..13464, 13271..13432, 13323..13436		
Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51580	Strand	+
Start	24009	End	26534
Name	OJ990414_02.9923.C2.o1.tw	Method	TBLASTX:Wheat
Start	14482	End	15168
GI	none	Score	216
Exons	14482..14643, 14483..14644, 14770..14892, 14771..14902,		

15035..15166, 15036..15167, 15037..15168, 15040..15168

Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51580	Strand	+
Start	24009	End	26534
Name	OJ990414_02.9923.C2.o4.tm	Method	TBLASTX:Maize
Start	14482	End	15183
GI	none	Score	229
Exons	14482..14643, 14483..14644, 14770..14892, 14771..14890, 15031..15165, 15031..15183, 15036..15182		

Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51580	Strand	+
Start	24009	End	26534
Name	OJ990414_02.9923.C2.o2.tc	Method	TBLASTX:Cress
Start	14837	End	15258
GI	none	Score	57
Exons	14837..14950, 15013..15258, 15013..15252		

Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51580	Strand	+
Start	24009	End	26534
Name	OJ990414_02.9923.C2.o1.ts	Method	TBLASTX:Soybean
Start	15181	End	17452
GI	none	Score	141
Exons	15181..15282, 15359..15415, 15359..15415, 15493..15579, 15494..15580, 16548..16610, 17005..17097, 17290..17448, 17293..17397, 17303..17452		

Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51580	Strand	+
Start	24009	End	26534
Name	OJ990414_02.9923.C2.o2.tm	Method	TBLASTX:Maize
Start	15186	End	17620
GI	none	Score	91
Exons	15186..15272, 15187..15273, 15187..15282, 15356..15415, 15362..15415, 15363..15416, 15482..15580, 15490..15582, 15491..15583, 16539..16613, 17005..17097, 17290..17517, 17293..17439, 17303..17452, 17523..17618, 17524..17619, 17525..17620		

Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51580	Strand	+
Start	24009	End	26534
Name	OJ990414_02.9923.C2.o1.tc	Method	TBLASTX:Cress
Start	15344	End	18318
GI	none	Score	62
Exons	15344..15421, 15359..15418, 15496..15579, 15497..15580, 17236..17325, 17327..17452, 17333..17449, 17525..17653, 17525..17668, 18193..18318		

Seq. No.	24831	Seq. ID	OJ990414_02.9923.C2
Gene No.	51580	Strand	+
Start	24009	End	26534
Name	OJ990414_02.9923.C2.o6.gs	Method	GENSCAN
Start	24009	End	26534
GI	none	Score	.5

Exons 24009..24061, 25962..26314, 26316..26534

Seq. No.	24832	Seq. ID	OJ990414_02.9923.C3
Gene No.	51581	Strand	+
Start	1	End	2743
Name	OJ990414_02.9923.C3.o1.np	Method	AAT/NAP
Start	1	End	2590
GI	4585994	Score	198
Exons	1..49, 1369..1480, 1624..1679, 1809..1982, 2136..2249, 2501..2590		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24832	Seq. ID	OJ990414_02.9923.C3
Gene No.	51581	Strand	+
Start	1	End	2743
Name	OJ990414_02.9923.C3.o1.gs	Method	GENSCAN
Start	1377	End	2743
GI	none	Score	.8
Exons	1377..1436, 1809..1982, 2136..2249, 2501..2743		

Seq. No.	24832	Seq. ID	OJ990414_02.9923.C3
Gene No.	51582	Strand	+
Start	3428	End	3843
Name	OJ990414_02.9923.C3.o2.gs	Method	GENSCAN
Start	3428	End	3843
GI	none	Score	.88
Exons	3428..3437, 3722..3843		

Seq. No.	24832	Seq. ID	OJ990414_02.9923.C3
Gene No.	51583	Strand	+
Start	4552	End	5032
Name	OJ990414_02.9923.C3.o3.gs	Method	GENSCAN
Start	4552	End	5032
GI	none	Score	.8
Exons	4552..4618, 4926..5032		

Seq. No.	24832	Seq. ID	OJ990414_02.9923.C3
Gene No.	51584	Strand	+
Start	5659	End	8421
Name	OJ990414_02.9923.C3.o4.gs	Method	GENSCAN
Start	5659	End	8421
GI	none	Score	.81
Exons	5659..6351, 6504..6612, 7479..7534, 7693..7854, 8012..8128, 8323..8421		

Seq. No.	24832	Seq. ID	OJ990414_02.9923.C3
Gene No.	51584	Strand	+
Start	5659	End	8421
Name	OJ990414_02.9923.C3.o2.np	Method	AAT/NAP
Start	5694	End	8412
GI	4585994	Score	197
Exons	5694..5856, 6504..6612, 7479..7534, 7693..7854, 8012..8128, 8323..8412		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24832	Seq. ID	OJ990414_02.9923.C3
Gene No.	51584	Strand	+

Start	5659	End	8421
Name	OJ990414_02.9923.C3.o1.gp	Method	AAT/GAP
Start	7320	End	7561
GI	2797269	Score	465
Exons	7320..7561		

Seq. No.	24832	Seq. ID	OJ990414_02.9923.C3
Gene No.	51585	Strand	+
Start	10278	End	11897
Name	OJ990414_02.9923.C3.o5.gs	Method	GENSCAN
Start	10278	End	11897
GI	none	Score	.69
Exons	10278..10417, 11143..11311, 11487..11897		

Seq. No.	24832	Seq. ID	OJ990414_02.9923.C3
Gene No.	51586	Strand	-
Start	10516	End	11231
Name	OJ990414_02.9923.C3.o3.np	Method	AAT/NAP
Start	10516	End	11231
GI	6815109	Score	141
Exons	10516..10878, 11127..11231		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	24833	Seq. ID	OJ990414_02.9923.C4
Gene No.	51587	Strand	+
Start	1	End	604
Name	OJ990414_02.9923.C4.o1.gp	Method	AAT/GAP
Start	1	End	121
GI	LIB3434-046-P1-K1-F8	Score	208
Exons	1..121		
GI Descrip.	'4558666/gb|AAD22684.1|AC007063_10 1.0e-11 (AC007063) putative Na/H antiporter isolog [Arabidopsis thaliana]'		

Seq. No.	24833	Seq. ID	OJ990414_02.9923.C4
Gene No.	51587	Strand	+
Start	1	End	604
Name	OJ990414_02.9923.C4.o1.np	Method	AAT/NAP
Start	1	End	595
GI	4678259	Score	629
Exons	1..595		
GI Descrip.	(AL049657) putative protein [Arabidopsis thaliana]		

Seq. No.	24833	Seq. ID	OJ990414_02.9923.C4
Gene No.	51587	Strand	+
Start	1	End	604
Name	OJ990414_02.9923.C4.o1.gs	Method	GENSCAN
Start	47	End	604
GI	none	Score	1
Exons	47..604		

Seq. No.	24833	Seq. ID	OJ990414_02.9923.C4
Gene No.	51587	Strand	+
Start	1	End	604
Name	OJ990414_02.9923.C4.o1.ts	Method	TBLASTX:Soybean
Start	175	End	445
GI	none	Score	235
Exons	175..417, 176..445		

Seq. No.	24833	Seq. ID	OJ990414_02.9923.C4
Gene No.	51587	Strand	+
Start	1	End	604
Name	OJ990414_02.9923.C4.o1.tc	Method	TBLASTX:Cress
Start	256	End	568
GI	none	Score	83
Exons	256..315, 257..313, 319..417,	320..493,	460..495, 542..568

Seq. No.	24834	Seq. ID	OJ990414_02.9923.C5
Gene No.	51588	Strand	+
Start	1288	End	5738
Name	OJ990414_02.9923.C5.o1.gs	Method	GENSCAN
Start	1288	End	5738
GI	none	Score	.79
Exons	1288..1372, 2736..2855, 3085..	3130, 4243..4326,	5506..5738

Seq. No.	24835	Seq. ID	OJ990414_02.9923.C7
Gene No.	51589	Strand	-
Start	377	End	468
Name	OJ990414_02.9923.C7.o1.gs	Method	GENSCAN
Start	377	End	468
GI	none	Score	.73
Exons	377..468		

Seq. No.	24836	Seq. ID	OJ990414_02.9923.C9
Gene No.	51590	Strand	-
Start	297	End	521
Name	OJ990414_02.9923.C9.o1.gs	Method	GENSCAN
Start	297	End	521
GI	none	Score	.59
Exons	297..521		

Seq. No.	24837	Seq. ID	OJ990414_02.9923.C11
Gene No.	51591	Strand	-
Start	111	End	331
Name	OJ990414_02.9923.C11.o1.gs	Method	GENSCAN
Start	111	End	331
GI	none	Score	.58
Exons	111..331		

Seq. No.	24838	Seq. ID	OJ990414_02.9923.C13
Gene No.	51592	Strand	+
Start	438	End	579
Name	OJ990414_02.9923.C13.o1.np	Method	AAT/NAP
Start	438	End	579
GI	6721516	Score	146
Exons	438..579		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	24839	Seq. ID	OJ990414_02.9923.C15
Gene No.	51593	Strand	-
Start	39	End	319
Name	OJ990414_02.9923.C15.o1.gs	Method	GENSCAN
Start	39	End	319
GI	none	Score	.57
Exons	39..127, 205..319		

Seq. No.	24840	Seq. ID	OJ990414_02.9923.C17
Gene No.	51594	Strand	-
Start	1	End	220
Name	OJ990414_02.9923.C17.o1.np	Method	AAT/NAP
Start	1	End	220
GI	6815109	Score	147
Exons	1..220		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	24841	Seq. ID	OJ990414_02.9923.C18
Gene No.	51595	Strand	+
Start	168	End	303
Name	OJ990414_02.9923.C18.o1.gs	Method	GENSCAN
Start	168	End	303
GI	none	Score	.46
Exons	168..303		

Seq. No.	24842	Seq. ID	OJ990414_02.9923.C22
Gene No.	51596	Strand	-
Start	316	End	434
Name	OJ990414_02.9923.C22.o1.gs	Method	GENSCAN
Start	316	End	434
GI	none	Score	.72
Exons	316..434		

Seq. No.	24843	Seq. ID	OJ990414_02.9923.C23
Gene No.	51597	Strand	+
Start	312	End	461
Name	OJ990414_02.9923.C23.o1.gp	Method	AAT/GAP
Start	312	End	461
GI	576771	Score	230
Exons	312..461		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	24844	Seq. ID	OJ990414_02.9923.C24
Gene No.	51598	Strand	+
Start	1	End	669
Name	OJ990414_02.9923.C24.o1.np	Method	AAT/NAP
Start	1	End	669
GI	2244749	Score	408
Exons	1..302, 396..669		
GI Descrip.	(Z97335) hydroxymethyltransferase [Arabidopsis thaliana]		

Seq. No.	24844	Seq. ID	OJ990414_02.9923.C24
Gene No.	51598	Strand	+
Start	1	End	669
Name	OJ990414_02.9923.C24.o1.ts	Method	TBLASTX:Soybean
Start	40	End	448
GI	none	Score	396
Exons	40..303, 47..304, 144..311, 394..438, 395..448		

Seq. No.	24844	Seq. ID	OJ990414_02.9923.C24
Gene No.	51598	Strand	+
Start	1	End	669
Name	OJ990414_02.9923.C24.o1.gp	Method	AAT/GAP

Start	45	End	451
GI	82_3.R1084	Score	529
Exons	45..302, 396..451		
GI Descrip.	'2244749/emb|CAB10172.1| 5.0e-61 (Z97335) hydroxymethyltransferase [Arabidopsis thaliana]'		

Seq. No.	24844	Seq. ID	OJ990414_02.9923.C24
Gene No.	51598	Strand	+
Start	1	End	669
Name	OJ990414_02.9923.C24.o1.tm	Method	TBLASTX:Maize
Start	46	End	455
GI	none	Score	435
Exons	46..303, 47..304, 47..310, 96..311, 394..438, 395..448, 399..455		

Seq. No.	24844	Seq. ID	OJ990414_02.9923.C24
Gene No.	51598	Strand	+
Start	1	End	669
Name	OJ990414_02.9923.C24.o1.tw	Method	TBLASTX:Wheat
Start	50	End	442
GI	none	Score	286
Exons	50..304, 50..298, 235..303, 383..442		

Seq. No.	24844	Seq. ID	OJ990414_02.9923.C24
Gene No.	51598	Strand	+
Start	1	End	669
Name	OJ990414_02.9923.C24.o1.gs	Method	GENSCAN
Start	99	End	302
GI	none	Score	.42
Exons	99..302		

Seq. No.	24844	Seq. ID	OJ990414_02.9923.C24
Gene No.	51598	Strand	+
Start	1	End	669
Name	OJ990414_02.9923.C24.o1.tc	Method	TBLASTX:Cress
Start	143	End	448
GI	none	Score	239
Exons	143..304, 143..313, 159..314, 159..326, 383..448, 394..435, 395..448		

Seq. No.	24845	Seq. ID	OJ990414_02.9923.C25
Gene No.	51599	Strand	-
Start	1	End	370
Name	OJ990414_02.9923.C25.o1.np	Method	AAT/NAP
Start	1	End	327
GI	6041833	Score	168
Exons	1..327		
GI Descrip.	(AC009853) unknown protein [Arabidopsis thaliana] gi|6642634|gb|AAF20215.1|AC012395_2 (AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	24845	Seq. ID	OJ990414_02.9923.C25
Gene No.	51599	Strand	-
Start	1	End	370
Name	OJ990414_02.9923.C25.o1.ts	Method	TBLASTX:Soybean
Start	96	End	370
GI	none	Score	146
Exons	96..362, 98..325, 179..370		

Seq. No.	24845	Seq. ID	OJ990414_02.9923.C25
Gene No.	51599	Strand	-
Start	1	End	370
Name	OJ990414_02.9923.C25.o1.tc	Method	TBLASTX:Cress
Start	107	End	334
GI	none	Score	210
Exons	107..334		

Seq. No.	24846	Seq. ID	OJ990414_02.9923.C30
Gene No.	51600	Strand	+
Start	197	End	297
Name	OJ990414_02.9923.C30.o1.gs	Method	GENSCAN
Start	197	End	297
GI	none	Score	.59
Exons	197..297		

Seq. No.	24847	Seq. ID	OJ990414_02.9923.C32
Gene No.	51601	Strand	-
Start	289	End	403
Name	OJ990414_02.9923.C32.o1.gs	Method	GENSCAN
Start	289	End	403
GI	none	Score	.57
Exons	289..403		

Seq. No.	24848	Seq. ID	OJ990414_02.9923.C35
Gene No.	51602	Strand	+
Start	63	End	364
Name	OJ990414_02.9923.C35.o1.gp	Method	AAT/GAP
Start	63	End	364
GI	61605_3.R1084	Score	419
Exons	63..364		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	24849	Seq. ID	OJ990414_02.9923.C39
Gene No.	51603	Strand	+
Start	349	End	556
Name	OJ990414_02.9923.C39.o1.np	Method	AAT/NAP
Start	349	End	556
GI	5724765	Score	90
Exons	349..556		
GI Descrip.	(AF160181) contains similarity to Pfam family PF00078 -943 Reverse transcriptase (RNA-dependent DNA polymerase); score 65.8, E=9.4e-16, N=1; may be a pseudogene [Arabidopsis thaliana]		

Seq. No.	24849	Seq. ID	OJ990414_02.9923.C39
Gene No.	51604	Strand	-
Start	374	End	446
Name	OJ990414_02.9923.C39.o1.gs	Method	GENSCAN
Start	374	End	446
GI	none	Score	.8
Exons	374..446		

Seq. No.	24850	Seq. ID	OJ990414_02.9923.C43
Gene No.	51605	Strand	+
Start	205	End	387

Name	OJ990414_02.9923.C43.o1.gs	Method	GENSCAN
Start	205	End	387
GI	none	Score	.61
Exons	205..387		

Seq. No.	24851	Seq. ID	OJ990414_02.9923.C44
Gene No.	51606	Strand	+
Start	259	End	443
Name	OJ990414_02.9923.C44.o1.np	Method	AAT/NAP
Start	259	End	443
GI	417745	Score	105
Exons	259..443		
GI Descrip.	ADENOSYLHOMOCYSTEINASE (S-ADENOSYL-L-HOMOCYSTEINE HYDROLASE) (ADOHCYASE) gi|170773 (L11872) S-adenosyl-L-homocysteine hydrolase [Triticum aestivum]		

Seq. No.	24852	Seq. ID	OJ990414_02.9923.C46
Gene No.	51607	Strand	+
Start	262	End	377
Name	OJ990414_02.9923.C46.o1.gs	Method	GENSCAN
Start	262	End	377
GI	none	Score	.84
Exons	262..377		

Seq. No.	24853	Seq. ID	OJ990414_02.9923.C49
Gene No.	51608	Strand	-
Start	1	End	395
Name	OJ990414_02.9923.C49.o1.np	Method	AAT/NAP
Start	1	End	177
GI	480314	Score	102
Exons	1..177		
GI Descrip.	UDP rhamnose--anthocyanidin-3-glucoside rhamnosyltransferase - garden petunia (fragment) gi|397567|emb|CAA81057| (Z25802) UDP rhamnose: anthocyanidin-3-glucoside rhamnosyltransferase [Petunia x hybrida]		

Seq. No.	24853	Seq. ID	OJ990414_02.9923.C49
Gene No.	51608	Strand	-
Start	1	End	395
Name	OJ990414_02.9923.C49.o1.gs	Method	GENSCAN
Start	61	End	395
GI	none	Score	.95
Exons	61..158, 224..395		

Seq. No.	24854	Seq. ID	OJ990414_02.9923.C52
Gene No.	51609	Strand	+
Start	1	End	463
Name	OJ990414_02.9923.C52.o1.np	Method	AAT/NAP
Start	1	End	386
GI	2160322	Score	372
Exons	1..87, 180..386		
GI Descrip.	(D16139) cytokinin binding protein CBP57 [Nicotiana sylvestris]		

Seq. No.	24854	Seq. ID	OJ990414_02.9923.C52
Gene No.	51609	Strand	+
Start	1	End	463
Name	OJ990414_02.9923.C52.o1.tc	Method	TBLASTX:Cress

Start	54	End	389
GI	none	Score	62
Exons	54..101, 55..90, 177..389, 177..359, 179..385		

Seq. No.	24854	Seq. ID	OJ990414_02.9923.C52
Gene No.	51609	Strand	+
Start	1	End	463
Name	OJ990414_02.9923.C52.o1.tw	Method	TBLASTX:Wheat
Start	54	End	413
GI	none	Score	62
Exons	54..89, 55..90, 177..413, 179..397		

Seq. No.	24854	Seq. ID	OJ990414_02.9923.C52
Gene No.	51609	Strand	+
Start	1	End	463
Name	OJ990414_02.9923.C52.o1.tm	Method	TBLASTX:Maize
Start	54	End	399
GI	none	Score	62
Exons	54..89, 55..90, 177..395, 178..390, 179..394, 343..399		

Seq. No.	24854	Seq. ID	OJ990414_02.9923.C52
Gene No.	51609	Strand	+
Start	1	End	463
Name	OJ990414_02.9923.C52.o1.ts	Method	TBLASTX:Soybean
Start	54	End	398
GI	none	Score	62
Exons	54..89, 55..90, 177..398, 177..359, 179..388		

Seq. No.	24854	Seq. ID	OJ990414_02.9923.C52
Gene No.	51609	Strand	+
Start	1	End	463
Name	OJ990414_02.9923.C52.o1.gp	Method	AAT/GAP
Start	55	End	463
GI	2131_1.R1084	Score	543
Exons	55..87, 180..463		
GI Descrip.	'417745/sp|P32112|SAHH_WHEAT 0.0e+00 ADENOSYLHOMOCYSTEINASE (S-ADENOSYL-L-HOMOCYSTEINE HYDROLASE) (ADOHCYASE) >gi_170773 (L11872) S-adenosyl-L-homocysteine hydrolase [Triticum aestivum]'		

Seq. No.	24854	Seq. ID	OJ990414_02.9923.C52
Gene No.	51609	Strand	+
Start	1	End	463
Name	OJ990414_02.9923.C52.o1.gs	Method	GENSCAN
Start	180	End	389
GI	none	Score	.96
Exons	180..389		

Seq. No.	24855	Seq. ID	OJ990414_02.9923.C53
Gene No.	51610	Strand	+
Start	136	End	261
Name	OJ990414_02.9923.C53.o1.gs	Method	GENSCAN
Start	136	End	261
GI	none	Score	.96
Exons	136..261		

Seq. No.	24856	Seq. ID	OJ990414_02.9923.C55

Gene No.	51611	Strand	-
Start	1	End	227
Name	OJ990414_02.9923.C55.o1.gp	Method	AAT/GAP
Start	1	End	227
GI	LIB3434-038-P1-K1-F1	Score	377
Exons	1..227		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	24857	Seq. ID	OJ990414_02.9923.C59
Gene No.	51612	Strand	
Start	337	End	738
Name	OJ990414_02.9923.C59.o1.tm	Method	TBLASTX:Maize
Start	337	End	738
GI	none	Score	113
Exons	337..738, 500..637		

Seq. No.	24858	Seq. ID	OJ990414_02.9923.C60
Gene No.	51613	Strand	-
Start	1	End	757
Name	OJ990414_02.9923.C60.o1.np	Method	AAT/NAP
Start	1	End	757
GI	6041833	Score	177
Exons	1..314, 737..757		
GI Descrip.	(AC009853) unknown protein [Arabidopsis thaliana] gi|6642634|gb|AAF20215.1|AC012395_2 (AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	24858	Seq. ID	OJ990414_02.9923.C60
Gene No.	51613	Strand	-
Start	1	End	757
Name	OJ990414_02.9923.C60.o1.ts	Method	TBLASTX:Soybean
Start	74	End	348
GI	none	Score	154
Exons	74..340, 76..303, 88..348		

Seq. No.	24858	Seq. ID	OJ990414_02.9923.C60
Gene No.	51613	Strand	-
Start	1	End	757
Name	OJ990414_02.9923.C60.o1.tc	Method	TBLASTX:Cress
Start	85	End	312
GI	none	Score	215
Exons	85..312		

Seq. No.	24859	Seq. ID	OJ990414_02.9923.C61
Gene No.	51614	Strand	-
Start	182	End	375
Name	OJ990414_02.9923.C61.o1.gs	Method	GENSCAN
Start	182	End	375
GI	none	Score	.68
Exons	182..287, 334..375		

Seq. No.	24860	Seq. ID	OJ990414_02.9923.C62
Gene No.	51615	Strand	+
Start	207	End	702
Name	OJ990414_02.9923.C62.o1.np	Method	AAT/NAP
Start	207	End	702

GI	6539570	Score	177
Exons	207..400, 569..702		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	24860	Seq. ID	OJ990414_02.9923.C62
Gene No.	51616	Strand	-
Start	207	End	320
Name	OJ990414_02.9923.C62.o1.gs	Method	GENSCAN
Start	207	End	320
GI	none	Score	.41
Exons	207..320		

Seq. No.	24861	Seq. ID	OJ990414_02.9923.C63
Gene No.	51617	Strand	-
Start	9	End	252
Name	OJ990414_02.9923.C63.o1.gs	Method	GENSCAN
Start	9	End	252
GI	none	Score	1
Exons	9..252		

Seq. No.	24862	Seq. ID	OJ990414_02.9923.C64
Gene No.	51618	Strand	-
Start	53	End	401
Name	OJ990414_02.9923.C64.o1.gs	Method	GENSCAN
Start	53	End	401
GI	none	Score	.84
Exons	53..401		

Seq. No.	24863	Seq. ID	OJ990414_02.9923.C65
Gene No.	51619	Strand	+
Start	182	End	729
Name	OJ990414_02.9923.C65.o1.np	Method	AAT/NAP
Start	182	End	729
GI	6539555	Score	325
Exons	182..729		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	24864	Seq. ID	OJ990414_02.9923.C66
Gene No.	51620	Strand	+
Start	315	End	402
Name	OJ990414_02.9923.C66.o1.gs	Method	GENSCAN
Start	315	End	402
GI	none	Score	.7
Exons	315..402		

Seq. No.	24865	Seq. ID	OJ990414_02.9923.C69
Gene No.	51621	Strand	-
Start	284	End	520
Name	OJ990414_02.9923.C69.o1.gs	Method	GENSCAN
Start	284	End	520
GI	none	Score	.72
Exons	284..520		

Seq. No.	24866	Seq. ID	OJ990414_02.9923.C70
Gene No.	51622	Strand	+

Start	138	End	409
Name	OJ990414_02.9923.C70.o1.gs	Method	GENSCAN
Start	138	End	409
GI	none	Score	.91
Exons	138..409		

Seq. No.	24867	Seq. ID	OJ990414_02.9923.C72
Gene No.	51623	Strand	+
Start	39	End	177
Name	OJ990414_02.9923.C72.o1.gs	Method	GENSCAN
Start	39	End	177
GI	none	Score	.95
Exons	39..129, 170..177		

Seq. No.	24868	Seq. ID	OJ990414_02.9923.C73
Gene No.	51624	Strand	-
Start	1	End	374
Name	OJ990414_02.9923.C73.o1.np	Method	AAT/NAP
Start	1	End	156
GI	480314	Score	103
Exons	1..156		
GI Descrip.	UDP rhamnose--anthocyanidin-3-glucoside rhamnosyltransferase - garden petunia (fragment) gi|397567|emb|CAA81057| (Z25802) UDP rhamnose: anthocyanidin-3-glucoside rhamnosyltransferase [Petunia x hybrida]		

Seq. No.	24868	Seq. ID	OJ990414_02.9923.C73
Gene No.	51624	Strand	-
Start	1	End	374
Name	OJ990414_02.9923.C73.o1.gs	Method	GENSCAN
Start	40	End	374
GI	none	Score	.74
Exons	40..197, 203..374		

Seq. No.	24869	Seq. ID	OJ990414_02.9923.C74
Gene No.	51625	Strand	-
Start	371	End	496
Name	OJ990414_02.9923.C74.o1.gs	Method	GENSCAN
Start	371	End	496
GI	none	Score	.59
Exons	371..496		

Seq. No.	24870	Seq. ID	OJ990414_02.9923.C76
Gene No.	51626	Strand	+
Start	1	End	746
Name	OJ990414_02.9923.C76.o1.gp	Method	AAT/GAP
Start	1	End	482
GI	82_3.R1084	Score	660
Exons	1..285, 379..482		
GI Descrip.	'2244749/emb|CAB10172.1| 5.0e-61 (Z97335) hydroxymethyltransferase [Arabidopsis thaliana]'		

Seq. No.	24870	Seq. ID	OJ990414_02.9923.C76
Gene No.	51626	Strand	+
Start	1	End	746
Name	OJ990414_02.9923.C76.o1.np	Method	AAT/NAP
Start	1	End	746

GI	2244749	Score	498
Exons	1..285, 379..482, 714..746		
GI Descrip.	(Z97335) hydroxymethyltransferase [Arabidopsis thaliana]		

Seq. No.	24870	Seq. ID	OJ990414_02.9923.C76
Gene No.	51626	Strand	+
Start	1	End	746
Name	OJ990414_02.9923.C76.o1.ts	Method	TBLASTX:Soybean
Start	23	End	484
GI	none	Score	403
Exons	23..286, 30..287, 127..294, 377..484, 378..482, 385..483		

Seq. No.	24870	Seq. ID	OJ990414_02.9923.C76
Gene No.	51626	Strand	+
Start	1	End	746
Name	OJ990414_02.9923.C76.o1.tm	Method	TBLASTX:Maize
Start	29	End	484
GI	none	Score	442
Exons	29..286, 30..287, 30..293, 127..294, 366..479, 377..484, 378..482		

Seq. No.	24870	Seq. ID	OJ990414_02.9923.C76
Gene No.	51626	Strand	+
Start	1	End	746
Name	OJ990414_02.9923.C76.o1.tw	Method	TBLASTX:Wheat
Start	33	End	461
GI	none	Score	293
Exons	33..287, 44..142, 218..286, 366..461		

Seq. No.	24870	Seq. ID	OJ990414_02.9923.C76
Gene No.	51626	Strand	+
Start	1	End	746
Name	OJ990414_02.9923.C76.o1.gs	Method	GENSCAN
Start	82	End	480
GI	none	Score	.65
Exons	82..285, 379..480		

Seq. No.	24870	Seq. ID	OJ990414_02.9923.C76
Gene No.	51626	Strand	+
Start	1	End	746
Name	OJ990414_02.9923.C76.o1.tc	Method	TBLASTX:Cress
Start	126	End	484
GI	none	Score	239
Exons	126..287, 126..296, 142..297, 142..309, 366..482, 377..472, 377..484, 378..482		

Seq. No.	24871	Seq. ID	OJ990414_02.9923.C77
Gene No.	51627	Strand	+
Start	460	End	651
Name	OJ990414_02.9923.C77.o1.gs	Method	GENSCAN
Start	460	End	651
GI	none	Score	.72
Exons	460..651		

Seq. No.	24872	Seq. ID	OJ990414_02.9923.C79
Gene No.	51628	Strand	+
Start	511	End	573

Name	OJ990414_02.9923.C79.o1.gs	Method	GENSCAN
Start	511	End	573
GI	none	Score	.71
Exons	511..573		

Seq. No.	24873	Seq. ID	OJ990414_02.9923.C85
Gene No.	51629	Strand	+
Start	361	End	510
Name	OJ990414_02.9923.C85.o1.gs	Method	GENSCAN
Start	361	End	510
GI	none	Score	.95
Exons	361..510		

Seq. No.	24874	Seq. ID	OJ990414_02.9923.C88
Gene No.	51630	Strand	-
Start	121	End	234
Name	OJ990414_02.9923.C88.o1.gs	Method	GENSCAN
Start	121	End	234
GI	none	Score	.43
Exons	121..234		

Seq. No.	24875	Seq. ID	OJ990414_02.9923.C89
Gene No.	51631	Strand	+
Start	1	End	369
Name	OJ990414_02.9923.C89.o1.np	Method	AAT/NAP
Start	1	End	369
GI	5852180	Score	36
Exons	1..21, 280..369		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	24876	Seq. ID	OJ990414_02.9923.C91
Gene No.	51632	Strand	+
Start	426	End	683
Name	OJ990414_02.9923.C91.o1.gp	Method	AAT/GAP
Start	426	End	683
GI	61605_3.R1084	Score	438
Exons	426..683		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	24877	Seq. ID	OJ990414_02.9923.C92
Gene No.	51633	Strand	+
Start	209	End	287
Name	OJ990414_02.9923.C92.o1.gs	Method	GENSCAN
Start	209	End	287
GI	none	Score	.77
Exons	209..287		

Seq. No.	24877	Seq. ID	OJ990414_02.9923.C92
Gene No.	51634	Strand	-
Start	14	End	188
Name	OJ990414_02.9923.C92.o1.np	Method	AAT/NAP
Start	14	End	188
GI	6063554	Score	227
Exons	14..188		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	24878	Seq. ID	OJ990414_02.9923.C94
Gene No.	51635	Strand	-
Start	249	End	710
Name	OJ990414_02.9923.C94.o1.gs	Method	GENSCAN
Start	249	End	710
GI	none	Score	.65
Exons	249..312, 593..710		

Seq. No.	24879	Seq. ID	OJ990414_02.9923.C95
Gene No.	51636	Strand	+
Start	534	End	655
Name	OJ990414_02.9923.C95.o1.gs	Method	GENSCAN
Start	534	End	655
GI	none	Score	.79
Exons	534..655		

Seq. No.	24880	Seq. ID	OJ990414_02.9923.C100
Gene No.	51637	Strand	-
Start	276	End	522
Name	OJ990414_02.9923.C100.o1.np	Method	AAT/NAP
Start	276	End	522
GI	5257279	Score	320
Exons	276..522		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	24881	Seq. ID	OJ990414_02.9923.C103
Gene No.	51638	Strand	-
Start	124	End	604
Name	OJ990414_02.9923.C103.o1.gs	Method	GENSCAN
Start	124	End	604
GI	none	Score	.5
Exons	124..265, 460..604		

Seq. No.	24882	Seq. ID	OJ990414_02.9923.C104
Gene No.	51639	Strand	-
Start	1	End	637
Name	OJ990414_02.9923.C104.o1.np	Method	AAT/NAP
Start	1	End	637
GI	6691193	Score	244
Exons	1..301, 607..637		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	24882	Seq. ID	OJ990414_02.9923.C104
Gene No.	51639	Strand	-
Start	1	End	637
Name	OJ990414_02.9923.C104.o1.gs	Method	GENSCAN
Start	68	End	292
GI	none	Score	.87
Exons	68..292		

Seq. No.	24883	Seq. ID	OJ990414_02.9923.C105
Gene No.	51640	Strand	+
Start	146	End	411
Name	OJ990414_02.9923.C105.o1.gp	Method	AAT/GAP

Start	146	End	411
GI	2431225	Score	512
Exons	146..411		

Seq. No.	24883	Seq. ID	OJ990414_02.9923.C105
Gene No.	51641	Strand	+
Start	481	End	589
Name	OJ990414_02.9923.C105.o1.gs	Method	GENSCAN
Start	481	End	589
GI	none	Score	.67
Exons	481..589		

Seq. No.	24884	Seq. ID	OJ990414_02.9923.C106
Gene No.	51642	Strand	+
Start	1	End	435
Name	OJ990414_02.9923.C106.o1.np	Method	AAT/NAP
Start	1	End	435
GI	421948	Score	312
Exons	1..435		
GI Descrip.	UDP rhamnose--anthocyanidin-3-glucoside rhamnosyltransferase - garden petunia		

Seq. No.	24884	Seq. ID	OJ990414_02.9923.C106
Gene No.	51642	Strand	+
Start	1	End	435
Name	OJ990414_02.9923.C106.o1.ts	Method	TBLASTX:Soybean
Start	36	End	282
GI	none	Score	257
Exons	36..263, 37..282		

Seq. No.	24884	Seq. ID	OJ990414_02.9923.C106
Gene No.	51642	Strand	+
Start	1	End	435
Name	OJ990414_02.9923.C106.o1.gs	Method	GENSCAN
Start	93	End	426
GI	none	Score	.59
Exons	93..426		

Seq. No.	24885	Seq. ID	OJ990414_02.9923.C107
Gene No.	51643	Strand	+
Start	1	End	490
Name	OJ990414_02.9923.C107.o1.np	Method	AAT/NAP
Start	1	End	490
GI	5922619	Score	103
Exons	1..44, 391..490		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	24885	Seq. ID	OJ990414_02.9923.C107
Gene No.	51644	Strand	-
Start	629	End	699
Name	OJ990414_02.9923.C107.o2.np	Method	AAT/NAP
Start	629	End	699
GI	6630699	Score	81
Exons	629..699		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No.	24886	Seq. ID	OJ990414_02.9923.C108
Gene No.	51645	Strand	-
Start	72	End	615
Name	OJ990414_02.9923.C108.o1.gs	Method	GENSCAN
Start	72	End	591
GI	none	Score	.5
Exons	72..118, 430..591		

Seq. No.	24886	Seq. ID	OJ990414_02.9923.C108
Gene No.	51645	Strand	-
Start	72	End	615
Name	OJ990414_02.9923.C108.o1.tm	Method	TBLASTX:Maize
Start	403	End	615
GI	none	Score	178
Exons	403..615, 431..544, 435..596		

Seq. No.	24887	Seq. ID	OJ990414_02.9923.C110
Gene No.	51646	Strand	-
Start	1	End	398
Name	OJ990414_02.9923.C110.o1.np	Method	AAT/NAP
Start	1	End	398
GI	1001955	Score	104
Exons	1..269, 345..398		
GI Descrip.	(U19099) unknown protein [Lycopersicon chilense]		

Seq. No.	24887	Seq. ID	OJ990414_02.9923.C110
Gene No.	51646	Strand	-
Start	1	End	398
Name	OJ990414_02.9923.C110.o1.gs	Method	GENSCAN
Start	180	End	269
GI	none	Score	.87
Exons	180..269		

Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51647	Strand	+
Start	1	End	972
Name	OJ990414_02.9923.C111.o1.np	Method	AAT/NAP
Start	1	End	972
GI	4678349	Score	952
Exons	1..972		
GI Descrip.	(AL049659) putative protein [Arabidopsis thaliana]		

Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51647	Strand	+
Start	1	End	972
Name	OJ990414_02.9923.C111.o1.gp	Method	AAT/GAP
Start	250	End	549
GI	36220_1.R1084	Score	574
Exons	250..549		
GI Descrip.	'4678259/emb|CAB41120.1| 1.0e-65 (AL049657) putative protein [Arabidopsis thaliana]'		

Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51647	Strand	+

Start	1	End	972
Name	OJ990414_02.9923.C111.o2.gp	Method	AAT/GAP
Start	515	End	943
GI	LIB3477-008-P1-K1-F11	Score	743
Exons	515..943		
GI Descrip.	'4678349/emb|CAB41159.1| 2.0e-57 (AL049659) putative protein [Arabidopsis thaliana]'		

Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51648	Strand	+
Start	1626	End	6501
Name	OJ990414_02.9923.C111.o2.gs	Method	GENSCAN
Start	1626	End	6501
GI	none	Score	.58
Exons	1626..1763, 3428..3588, 3689..4061, 5180..5210, 5268..5303, 5699..5715, 6286..6501		

Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51648	Strand	+
Start	1626	End	6501
Name	OJ990414_02.9923.C111.o4.gp	Method	AAT/GAP
Start	5687	End	6134
GI	LIB3431-024-P1-K1-H9	Score	844
Exons	5687..6134		
GI Descrip.	'1001955 3.0e-53 (U19099) unknown protein [Lycopersicon chilense]'		

Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51649	Strand	-
Start	1046	End	1342
Name	OJ990414_02.9923.C111.o3.gp	Method	AAT/GAP
Start	1046	End	1342
GI	none	Score	567
Exons	1046..1342		

Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51650	Strand	-
Start	7583	End	12425
Name	OJ990414_02.9923.C111.o1.tc	Method	TBLASTX:Cress
Start	250	End	987
GI	none	Score	964
Exons	250..987, 252..956, 619..765		

Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51650	Strand	-
Start	7583	End	12425
Name	OJ990414_02.9923.C111.o1.ts	Method	TBLASTX:Soybean
Start	250	End	999
GI	none	Score	1016
Exons	250..954, 252..953, 667..954, 835..999, 854..973		

Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51650	Strand	-
Start	7583	End	12425
Name	OJ990414_02.9923.C111.o1.tm	Method	TBLASTX:Maize
Start	250	End	978
GI	none	Score	1144

Exons	250..978, 251..976, 252..977, 334..444, 619..765, 826..954		
Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51650	Strand	-
Start	7583	End	12425
Name	OJ990414_02.9923.C111.o1.tw	Method	TBLASTX:Wheat
Start	262	End	588
GI	none	Score	501
Exons	262..588, 262..588		
Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51650	Strand	-
Start	7583	End	12425
Name	OJ990414_02.9923.C111.o5.gp	Method	AAT/GAP
Start	7331	End	8001
GI	3766775	Score	1260
Exons	7331..8001		
Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51650	Strand	-
Start	7583	End	12425
Name	OJ990414_02.9923.C111.o3.gs	Method	GENSCAN
Start	7583	End	11796
GI	none	Score	.89
Exons	7583..8217, 8636..8860, 9001..9186, 9441..9645, 9761..10936, 11364..11391, 11633..11796		
Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51650	Strand	-
Start	7583	End	12425
Name	OJ990414_02.9923.C111.o4.tm	Method	TBLASTX:Maize
Start	7982	End	8219
GI	none	Score	41
Exons	7982..8218, 7991..8020, 8012..8077, 8079..8219		
Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51650	Strand	-
Start	7583	End	12425
Name	OJ990414_02.9923.C111.o2.np	Method	AAT/NAP
Start	8045	End	12425
GI	4220511	Score	862
Exons	8045..8217, 8636..8851, 9037..9183, 9429..9645, 9761..10472, 12317..12425		
GI Descrip.	(AL035356) DNA polymerase III like protein [Arabidopsis thaliana]		
Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51650	Strand	-
Start	7583	End	12425
Name	OJ990414_02.9923.C111.o3.np	Method	AAT/NAP
Start	8045	End	10962
GI	4220511	Score	872
Exons	8045..8217, 8636..8851, 9037..9183, 9429..9645, 9761..10466, 10848..10962		
GI Descrip.	(AL035356) DNA polymerase III like protein [Arabidopsis thaliana]		

Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51650	Strand	-
Start	7583	End	12425
Name	OJ990414_02.9923.C111.o3.ts	Method	TBLASTX:Soybean
Start	8079	End	8219
GI	none	Score	178
Exons	8079..8219, 8081..8218		

Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51650	Strand	-
Start	7583	End	12425
Name	OJ990414_02.9923.C111.o5.tm	Method	TBLASTX:Maize
Start	9050	End	9645
GI	none	Score	72
Exons	9050..9190, 9053..9193, 9448..9645, 9452..9604		

Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51650	Strand	-
Start	7583	End	12425
Name	OJ990414_02.9923.C111.o2.tm	Method	TBLASTX:Maize
Start	10039	End	10489
GI	none	Score	311
Exons	10039..10359, 10043..10372, 10044..10373, 10051..10377, 10364..10489, 10365..10487		

Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51650	Strand	-
Start	7583	End	12425
Name	OJ990414_02.9923.C111.o2.ts	Method	TBLASTX:Soybean
Start	10188	End	10502
GI	none	Score	159
Exons	10188..10502, 10199..10468		

Seq. No.	24888	Seq. ID	OJ990414_02.9923.C111
Gene No.	51650	Strand	-
Start	7583	End	12425
Name	OJ990414_02.9923.C111.o3.tm	Method	TBLASTX:Maize
Start	10688	End	10948
GI	none	Score	58
Exons	10688..10738, 10688..10738, 10739..10948, 10770..10916, 10828..10917		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51651	Strand	+
Start	107	End	13907
Name	OJ990414_02.9923.C112.o1.gs	Method	GENSCAN
Start	107	End	13907
GI	none	Score	.4
Exons	107..159, 3184..3316, 3380..3442, 4051..4179, 5250..5549, 7326..7403, 8526..8649, 9757..10612, 11204..11211, 11269..11960, 13286..13319, 13858..13907		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51652	Strand	+
Start	16147	End	19250
Name	OJ990414_02.9923.C112.o1.gp	Method	AAT/GAP
Start	16093	End	18099

GI	70_1.R1084	Score	2466
Exons	16093..16820, 17561..18099		
GI Descrip.	'5688945/dbj|BAA82748.1| 1.0e-174 (AB017427) mitochondrial ribosomal protein S14 [Oryza sativa] >gi_5688950_dbj_BAA82751.1_ (AB017429) mitochondrial ribosomal portein S14 [Oryza sativa]'		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51652	Strand	+
Start	16147	End	19250
Name	OJ990414_02.9923.C112.o1.np	Method	AAT/NAP
Start	16147	End	17936
GI	5688945	Score	1830
Exons	16147..16820, 17561..17936		
GI Descrip.	(AB017427) mitochondrial ribosomal protein S14 [Oryza sativa] gi|5688950|dbj|BAA82751.1| (AB017429) mitochondrial ribosomal portein S14 [Oryza sativa]		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51652	Strand	+
Start	16147	End	19250
Name	OJ990414_02.9923.C112.o2.gs	Method	GENSCAN
Start	16147	End	19250
GI	none	Score	.94
Exons	16147..16820, 17561..17935, 19079..19250		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51653	Strand	+
Start	20211	End	20804
Name	OJ990414_02.9923.C112.o3.gs	Method	GENSCAN
Start	20211	End	20804
GI	none	Score	.54
Exons	20211..20804		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51653	Strand	+
Start	20211	End	20804
Name	OJ990414_02.9923.C112.o2.np	Method	AAT/NAP
Start	20232	End	20804
GI	6728861	Score	328
Exons	20232..20804		
GI Descrip.	(AC008113) F12A21.11 [Arabidopsis thaliana]		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51654	Strand	+
Start	24112	End	25139
Name	OJ990414_02.9923.C112.o5.gs	Method	GENSCAN
Start	24112	End	25139
GI	none	Score	.96
Exons	24112..24798, 24876..25139		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51655	Strand	-
Start	20065	End	21007
Name	OJ990414_02.9923.C112.o2.gp	Method	AAT/GAP
Start	20065	End	21007
GI	1193_1.R1084	Score	1726
Exons	20065..21007		

GI Descrip. '6093830/sp|P80470|PSBY_SPIOL 3.0e-16 PHOTOSYSTEM II CORE COMPLEX PROTEINS PSBY PRECURSOR (L-AME) [CONTAINS: PHOTOSYSTEM II PROTEIN PSBY-1; KD PHOTOSYSTEM II PROTEIN PSBY-2] >gi_3337435 (AF060198) PsbY precursor; putative photosytem II peptide [Spinacia oleracea]'

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51656	Strand	-
Start	21341	End	23277
Name	OJ990414_02.9923.C112.o4.gs	Method	GENSCAN
Start	21341	End	23277
GI	none	Score	.59
Exons	21341..21390, 22079..22220, 22380..22435, 22509..22730, 23121..23277		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51657	Strand	-
Start	26313	End	26467
Name	OJ990414_02.9923.C112.o2.tm	Method	TBLASTX:Maize
Start	16275	End	16475
GI	none	Score	320
Exons	16275..16475, 16282..16473		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51657	Strand	-
Start	26313	End	26467
Name	OJ990414_02.9923.C112.o3.tc	Method	TBLASTX:Cress
Start	16279	End	16476
GI	none	Score	68
Exons	16279..16329, 16335..16469, 16336..16476		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51657	Strand	-
Start	26313	End	26467
Name	OJ990414_02.9923.C112.o1.ts	Method	TBLASTX:Soybean
Start	16291	End	19247
GI	none	Score	64
Exons	16291..16332, 16333..16659, 16335..16658, 16645..16824, 16656..16883, 19076..19234, 19077..19247, 19078..19239		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51657	Strand	-
Start	26313	End	26467
Name	OJ990414_02.9923.C112.o1.tm	Method	TBLASTX:Maize
Start	16476	End	19247
GI	none	Score	528
Exons	16476..16826, 16477..16824, 19031..19246, 19077..19247		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51657	Strand	-
Start	26313	End	26467
Name	OJ990414_02.9923.C112.o1.tc	Method	TBLASTX:Cress
Start	16477	End	16829
GI	none	Score	459
Exons	16477..16824, 16479..16829		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112

Gene No.	51657	Strand	-
Start	26313	End	26467
Name	OJ990414_02.9923.C112.o2.tc	Method	TBLASTX:Cress
Start	17642	End	17943
GI	none	Score	369
Exons	17642..17938, 17646..17942, 17646..17939, 17650..17943		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51657	Strand	-
Start	26313	End	26467
Name	OJ990414_02.9923.C112.o4.tc	Method	TBLASTX:Cress
Start	19088	End	19240
GI	none	Score	205
Exons	19088..19234, 19089..19238, 19091..19240		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51657	Strand	-
Start	26313	End	26467
Name	OJ990414_02.9923.C112.o1.tw	Method	TBLASTX:Wheat
Start	19133	End	19259
GI	none	Score	193
Exons	19133..19255, 19134..19259		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51657	Strand	-
Start	26313	End	26467
Name	OJ990414_02.9923.C112.o3.tm	Method	TBLASTX:Maize
Start	20458	End	20833
GI	none	Score	40
Exons	20458..20508, 20458..20508, 20477..20560, 20492..20521, 20492..20566, 20508..20567, 20508..20585, 20508..20570, 20573..20644, 20628..20804, 20655..20798, 20720..20797, 20720..20794, 20747..20833		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51657	Strand	-
Start	26313	End	26467
Name	OJ990414_02.9923.C112.o2.ts	Method	TBLASTX:Soybean
Start	20477	End	20804
GI	none	Score	96
Exons	20477..20620, 20508..20564, 20508..20567, 20667..20804, 20691..20798, 20717..20797, 20729..20794		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51657	Strand	-
Start	26313	End	26467
Name	OJ990414_02.9923.C112.o2.tw	Method	TBLASTX:Wheat
Start	20477	End	20902
GI	none	Score	97
Exons	20477..20563, 20508..20564, 20652..20804, 20720..20797, 20749..20805, 20872..20901, 20879..20902		

Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51657	Strand	-
Start	26313	End	26467
Name	OJ990414_02.9923.C112.o5.tc	Method	TBLASTX:Cress
Start	20486	End	20798

GI	none	Score	89
Exons	20486..20596, 20508..20570, 20508..20564, 20643..20795, 20664..20798, 20720..20797		
Seq. No.	24889	Seq. ID	OJ990414_02.9923.C112
Gene No.	51657	Strand	-
Start	26313	End	26467
Name	OJ990414_02.9923.C112.o6.gs	Method	GENSCAN
Start	26313	End	26467
GI	none	Score	.49
Exons	26313..26467		
Seq. No.	24890	Seq. ID	OJ990414_02.9923.C113
Gene No.	51658	Strand	-
Start	80	End	210
Name	OJ990414_02.9923.C113.o1.gs	Method	GENSCAN
Start	80	End	210
GI	none	Score	.44
Exons	80..210		
Seq. No.	24891	Seq. ID	OJ990714_05.9924.C2
Gene No.	51659	Strand	+
Start	1540	End	11511
Name	OJ990714_05.9924.C2.o2.np	Method	AAT/NAP
Start	1540	End	6213
GI	3880303	Score	118
Exons	1540..1621, 3348..3509, 4367..4781, 6031..6213		
GI Descrip.	(Z54238) T28C6.1 [Caenorhabditis elegans]		
Seq. No.	24891	Seq. ID	OJ990714_05.9924.C2
Gene No.	51659	Strand	+
Start	1540	End	11511
Name	OJ990714_05.9924.C2.o2.gs	Method	GENSCAN
Start	6059	End	11507
GI	none	Score	.8
Exons	6059..6625, 8006..8485, 8968..9597, 9682..9748, 9815..9925, 10001..11507		
Seq. No.	24891	Seq. ID	OJ990714_05.9924.C2
Gene No.	51659	Strand	+
Start	1540	End	11511
Name	OJ990714_05.9924.C2.o3.np	Method	AAT/NAP
Start	8232	End	11511
GI	6899940	Score	194
Exons	8232..8260, 10885..11331, 11380..11511		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		
Seq. No.	24891	Seq. ID	OJ990714_05.9924.C2
Gene No.	51660	Strand	-
Start	1	End	4892
Name	OJ990714_05.9924.C2.o1.np	Method	AAT/NAP
Start	1	End	2062
GI	4191779	Score	482
Exons	1..231, 966..1053, 1892..2062		
GI Descrip.	(AC005917) putative recA protein [Arabidopsis thaliana]		
Seq. No.	24891	Seq. ID	OJ990714_05.9924.C2

Gene No.	51660	Strand	-
Start	1	End	4892
Name	OJ990714_05.9924.C2.o1.gs	Method	GENSCAN
Start	59	End	4892
GI	none	Score	.57
Exons	59..231, 966..1053, 1892..2109, 2672..2729, 3296..3375, 3438..3689, 4412..4553, 4836..4892		

Seq. No.	24891	Seq. ID	OJ990714_05.9924.C2
Gene No.	51661	Strand	-
Start	5506	End	5713
Name	OJ990714_05.9924.C2.o1.ts	Method	TBLASTX:Soybean
Start	62	End	1042
GI	none	Score	77
Exons	62..208, 66..146, 76..213, 84..233, 98..238, 964..1041, 965..1042		

Seq. No.	24891	Seq. ID	OJ990714_05.9924.C2
Gene No.	51661	Strand	-
Start	5506	End	5713
Name	OJ990714_05.9924.C2.o1.tc	Method	TBLASTX:Cress
Start	952	End	2120
GI	none	Score	111
Exons	952..1053, 962..1054, 1892..2107, 1896..2057, 1902..2120		

Seq. No.	24891	Seq. ID	OJ990714_05.9924.C2
Gene No.	51661	Strand	-
Start	5506	End	5713
Name	OJ990714_05.9924.C2.o1.gp	Method	AAT/GAP
Start	5506	End	5713
GI	556_1.R1084	Score	208
Exons	5506..5713		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	24892	Seq. ID	OJ990714_05.9924.C3
Gene No.	51662	Strand	+
Start	2691	End	5012
Name	OJ990714_05.9924.C3.o1.gs	Method	GENSCAN
Start	2691	End	5012
GI	none	Score	.67
Exons	2691..2975, 4189..4327, 4421..4708, 4795..4863, 4999..5012		

Seq. No.	24892	Seq. ID	OJ990714_05.9924.C3
Gene No.	51663	Strand	-
Start	4275	End	10222
Name	OJ990714_05.9924.C3.o1.np	Method	AAT/NAP
Start	4275	End	8981
GI	4835244	Score	139
Exons	4275..4308, 6271..6486, 6718..6848, 8960..8981		
GI Descrip.	(AL049862) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	24892	Seq. ID	OJ990714_05.9924.C3
Gene No.	51663	Strand	-
Start	4275	End	10222
Name	OJ990714_05.9924.C3.o1.gp	Method	AAT/GAP
Start	5629	End	5738

GI	3763212	Score	146
Exons	5629..5738		

Seq. No.	24892	Seq. ID	OJ990714_05.9924.C3
Gene No.	51663	Strand	-
Start	4275	End	10222
Name	OJ990714_05.9924.C3.o2.gs	Method	GENSCAN
Start	5802	End	10222
GI	none	Score	.51
Exons	5802..6380, 6909..7044, 7960..8151, 9939..10038, 10099..10222		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51664	Strand	+
Start	565	End	6809
Name	OJ990714_05.9924.C4.o1.gs	Method	GENSCAN
Start	565	End	6809
GI	none	Score	.57
Exons	565..627, 1014..1221, 2336..2482, 2866..3080, 3152..3201, 3773..4167, 4275..4469, 5517..5729, 6653..6809		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51664	Strand	+
Start	565	End	6809
Name	OJ990714_05.9924.C4.o2.np	Method	AAT/NAP
Start	2090	End	4592
GI	4678262	Score	586
Exons	2090..2141, 3689..3832, 4183..4592		
GI Descrip.	(AL049657) argininosuccinate synthase-like protein [Arabidopsis thaliana]		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51664	Strand	+
Start	565	End	6809
Name	OJ990714_05.9924.C4.o1.np	Method	AAT/NAP
Start	3685	End	4592
GI	4678262	Score	588
Exons	3685..3832, 4183..4592		
GI Descrip.	(AL049657) argininosuccinate synthase-like protein [Arabidopsis thaliana]		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51665	Strand	+
Start	8928	End	9393
Name	OJ990714_05.9924.C4.o3.gp	Method	AAT/GAP
Start	8928	End	9393
GI	2428157	Score	876
Exons	8928..9393		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51666	Strand	+
Start	14991	End	16396
Name	OJ990714_05.9924.C4.o4.gs	Method	GENSCAN
Start	14991	End	16396
GI	none	Score	.66
Exons	14991..15064, 15593..16269, 16317..16396		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4

Gene No.	51667	Strand	+
Start	17974	End	22411
Name	OJ990714_05.9924.C4.o5.gs	Method	GENSCAN
Start	17974	End	20321
GI	none	Score	.94
Exons	17974..18071, 19417..19551, 19659..19833, 19887..20321		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51667	Strand	+
Start	17974	End	22411
Name	OJ990714_05.9924.C4.o4.np	Method	AAT/NAP
Start	19993	End	22411
GI	5902928	Score	226
Exons	19993..20094, 20556..20643, 20760..20869, 22390..22411		
GI Descrip.	(AB029509) small GTP-binding protein OsRac2 [Oryza sativa]		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51667	Strand	+
Start	17974	End	22411
Name	OJ990714_05.9924.C4.o4.gp	Method	AAT/GAP
Start	20556	End	20869
GI	145_3.R1084	Score	286
Exons	20556..20643, 20760..20869		
GI Descrip.	'5902928/dbj|BAA84493.1| 1.0e-121 (AB029509) small GTP-binding protein OsRac2 [Oryza sativa]'		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51668	Strand	+
Start	30459	End	33984
Name	OJ990714_05.9924.C4.o7.gs	Method	GENSCAN
Start	30459	End	33924
GI	none	Score	.9
Exons	30459..30461, 31023..31191, 31612..32323, 32400..32758, 32824..33023, 33098..33287, 33359..33463, 33537..33613, 33703..33924		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51668	Strand	+
Start	30459	End	33984
Name	OJ990714_05.9924.C4.o6.np	Method	AAT/NAP
Start	31062	End	33984
GI	6691716	Score	2429
Exons	31062..31950, 32146..32323, 32400..32502, 32579..32758, 32836..33023, 33098..33193, 33343..33463, 33537..33984		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51669	Strand	-
Start	1223	End	1823
Name	OJ990714_05.9924.C4.o1.gp	Method	AAT/GAP
Start	1223	End	1823
GI	none	Score	1169
Exons	1223..1823		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4

Gene No.	51670	Strand	-
Start	1998	End	3193
Name	OJ990714_05.9924.C4.o2.gp	Method	AAT/GAP
Start	1998	End	3193
GI	uC-osflm202113h08b1	Score	985
Exons	1998..2118, 2594..2681, 2788..2850, 2934..3193		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51671	Strand	-
Start	7747	End	16355
Name	OJ990714_05.9924.C4.o2.gs	Method	GENSCAN
Start	7747	End	10515
GI	none	Score	.71
Exons	7747..8043, 8745..8831, 8984..9076, 9138..9308, 10429..10515		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51671	Strand	-
Start	7747	End	16355
Name	OJ990714_05.9924.C4.o3.np	Method	AAT/NAP
Start	7750	End	16355
GI	2921304	Score	781
Exons	7750..8045, 15561..16355		
GI Descrip.	(AF033496) herbicide safener binding protein [Zea mays]		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51671	Strand	-
Start	7747	End	16355
Name	OJ990714_05.9924.C4.o3.gs	Method	GENSCAN
Start	12028	End	12267
GI	none	Score	.41
Exons	12028..12074, 12129..12267		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51672	Strand	-
Start	23946	End	28348
Name	OJ990714_05.9924.C4.o6.gs	Method	GENSCAN
Start	23946	End	28319
GI	none	Score	.51
Exons	23946..26900, 27825..27995, 28088..28231, 28269..28319		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51672	Strand	-
Start	23946	End	28348
Name	OJ990714_05.9924.C4.o5.np	Method	AAT/NAP
Start	24228	End	28348
GI	6682245	Score	322
Exons	24228..24287, 26217..26759, 28318..28348		
GI Descrip.	(AC016661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51673	Strand	-
Start	29615	End	30025
Name	OJ990714_05.9924.C4.o5.gp	Method	AAT/GAP
Start	29615	End	30025
GI	5816562	Score	662

Exons	29615..30025		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		
Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o1.ts	Method	TBLASTX:Soybean
Start	3675	End	4595
GI	none	Score	72
Exons	3675..3818, 3691..3843, 3691..3960, 3692..3973, 3942..4088, 3954..4082, 3962..4087, 4067..4138, 4078..4137, 4141..4521, 4141..4431, 4161..4511, 4304..4513, 4459..4533, 4497..4580, 4508..4588, 4524..4595		
Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o1.tm	Method	TBLASTX:Maize
Start	3687	End	4595
GI	none	Score	207
Exons	3687..3959, 3691..3960, 3691..3960, 3692..3973, 3692..3970, 3909..4082, 3941..4111, 3942..4112, 4067..4138, 4078..4137, 4096..4140, 4141..4521, 4142..4516, 4158..4529, 4524..4595, 4526..4588		
Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o1.tc	Method	TBLASTX:Cress
Start	3737	End	4586
GI	none	Score	163
Exons	3737..3910, 3751..3912, 3776..3871, 3781..3909, 3911..3943, 3937..4047, 3950..4078, 3959..4087, 3960..4118, 4067..4156, 4141..4260, 4161..4259, 4219..4521, 4294..4518, 4296..4520, 4524..4586		
Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o6.tw	Method	TBLASTX:Wheat
Start	7715	End	15864
GI	none	Score	238
Exons	7715..7864, 7741..8037, 7748..8035, 15571..15630, 15574..15627, 15666..15863, 15666..15863, 15667..15864		
Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o8.tm	Method	TBLASTX:Maize
Start	7738	End	15624
GI	none	Score	136
Exons	7738..7917, 7747..7914, 7748..7921, 7937..8038, 7954..8037, 15574..15624		
Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-

Start	34317	End	37263
Name	OJ990714_05.9924.C4.o3.tm	Method	TBLASTX:Maize
Start	15666	End	16340
GI	none	Score	167
Exons	15666..15728, 15696..15761, 15765..15863, 15834..15902, 15921..16010, 16090..16254, 16092..16340, 16257..16328		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o5.ts	Method	TBLASTX:Soybean
Start	15666	End	16322
GI	none	Score	169
Exons	15666..15782, 15873..15902, 15909..16007, 16101..16322		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o5.tw	Method	TBLASTX:Wheat
Start	15918	End	16334
GI	none	Score	63
Exons	15918..16001, 15918..16004, 16075..16254, 16083..16334, 16254..16322		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o6.tm	Method	TBLASTX:Maize
Start	20554	End	20869
GI	none	Score	106
Exons	20554..20637, 20555..20638, 20555..20644, 20556..20660, 20757..20798, 20759..20869, 20759..20869		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o2.tc	Method	TBLASTX:Cress
Start	20555	End	20869
GI	none	Score	152
Exons	20555..20644, 20556..20660, 20569..20655, 20759..20869, 20800..20865		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o4.ts	Method	TBLASTX:Soybean
Start	20555	End	20869
GI	none	Score	153
Exons	20555..20644, 20556..20660, 20755..20865, 20757..20867, 20759..20869, 20759..20869		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o2.tm	Method	TBLASTX:Maize
Start	24121	End	24934
GI	none	Score	141

Exons	24121..24255, 24122..24262, 24123..24296, 24386..24571, 24391..24579, 24393..24578, 24554..24640, 24636..24923, 24649..24912, 24656..24934		
Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o3.ts	Method	TBLASTX:Soybean
Start	26467	End	26763
GI	none	Score	158
Exons	26467..26763, 26475..26762		
Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o9.tw	Method	TBLASTX:Wheat
Start	31182	End	31472
GI	none	Score	197
Exons	31182..31472		
Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o8.gs	Method	GENSCAN
Start	34317	End	36659
GI	none	Score	.98
Exons	34317..36659		
Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o7.np	Method	AAT/NAP
Start	34320	End	37263
GI	5902445	Score	3990
Exons	34320..35299, 35375..37263		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o1.tw	Method	TBLASTX:Wheat
Start	34329	End	34943
GI	none	Score	85
Exons	34329..34460, 34452..34943, 34654..34782, 34834..34923		
Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o7.tm	Method	TBLASTX:Maize
Start	34368	End	34631
GI	none	Score	102
Exons	34368..34469, 34369..34470, 34449..34631, 34450..34575		
Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o9.tm	Method	TBLASTX:Maize

Start	34713	End	34986
GI	none	Score	55
Exons	34713..34799, 34809..34892, 34822..34896, 34887..34985, 34888..34986		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o4.tw	Method	TBLASTX:Wheat
Start	34945	End	35387
GI	none	Score	207
Exons	34945..35307, 34947..35312, 35148..35312, 35316..35387		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o5.tm	Method	TBLASTX:Maize
Start	35139	End	35526
GI	none	Score	172
Exons	35139..35330, 35140..35331, 35316..35525, 35317..35526		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o7.tw	Method	TBLASTX:Wheat
Start	35481	End	35822
GI	none	Score	61
Exons	35481..35621, 35501..35632, 35503..35625, 35675..35785, 35688..35822		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o2.tw	Method	TBLASTX:Wheat
Start	35838	End	36260
GI	none	Score	235
Exons	35838..36260, 35914..36255		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o6.ts	Method	TBLASTX:Soybean
Start	35881	End	36269
GI	none	Score	122
Exons	35881..36129, 35883..36125, 36165..36269, 36175..36261		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o10.tm	Method	TBLASTX:Maize
Start	35934	End	36206
GI	none	Score	133
Exons	35934..36032, 36036..36206		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263

Name	OJ990714_05.9924.C4.o8.tw	Method	TBLASTX:Wheat
Start	36261	End	36534
GI	none	Score	59
Exons	36261..36356, 36264..36467, 36438..36524, 36441..36533, 36469..36534		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o2.ts	Method	TBLASTX:Soybean
Start	36384	End	36884
GI	none	Score	129
Exons	36384..36884, 36724..36867		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o4.tm	Method	TBLASTX:Maize
Start	36384	End	36816
GI	none	Score	55
Exons	36384..36410, 36408..36479, 36468..36539, 36469..36540, 36558..36815, 36561..36815, 36562..36816		

Seq. No.	24893	Seq. ID	OJ990714_05.9924.C4
Gene No.	51674	Strand	-
Start	34317	End	37263
Name	OJ990714_05.9924.C4.o3.tw	Method	TBLASTX:Wheat
Start	36538	End	36918
GI	none	Score	262
Exons	36538..36918, 36541..36861, 36543..36917		

Seq. No.	24894	Seq. ID	OJ990714_05.9924.C7
Gene No.	51675	Strand	+
Start	65	End	167
Name	OJ990714_05.9924.C7.o1.gs	Method	GENSCAN
Start	65	End	167
GI	none	Score	.72
Exons	65..167		

Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51676	Strand	+
Start	245	End	2373
Name	OJ990714_05.9924.C8.o1.gs	Method	GENSCAN
Start	245	End	2373
GI	none	Score	.65
Exons	245..377, 600..979, 1007..1807, 1923..2373		

Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51677	Strand	+
Start	3854	End	4927
Name	OJ990714_05.9924.C8.o2.gs	Method	GENSCAN
Start	3854	End	4927
GI	none	Score	.48
Exons	3854..4577, 4794..4927		

Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51678	Strand	+

Start	7801	End	12606
Name	OJ990714_05.9924.C8.o4.gs	Method	GENSCAN
Start	7801	End	12606
GI	none	Score	.68
Exons	7801..8746, 8797..8925, 9046..9144, 9662..10335, 10467..10750, 10835..11209, 11387..11544, 11702..11934, 12115..12606		

Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51678	Strand	+
Start	7801	End	12606
Name	OJ990714_05.9924.C8.o1.np	Method	AAT/NAP
Start	9388	End	12606
GI	4416302	Score	3680
Exons	9388..10837, 10911..12606		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51679	Strand	-
Start	5902	End	6767
Name	OJ990714_05.9924.C8.o4.ts	Method	TBLASTX:Soybean
Start	1398	End	1763
GI	none	Score	203
Exons	1398..1763		

Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51679	Strand	-
Start	5902	End	6767
Name	OJ990714_05.9924.C8.o7.tm	Method	TBLASTX:Maize
Start	4160	End	4555
GI	none	Score	193
Exons	4160..4450, 4199..4423, 4472..4555		

Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51679	Strand	-
Start	5902	End	6767
Name	OJ990714_05.9924.C8.o3.gs	Method	GENSCAN
Start	5902	End	6767
GI	none	Score	.93
Exons	5902..5992, 6582..6667, 6759..6767		

Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51680	Strand	
Start	9580	End	10622
Name	OJ990714_05.9924.C8.o4.tm	Method	TBLASTX:Maize
Start	9580	End	9975
GI	none	Score	130
Exons	9580..9699, 9697..9975, 9697..9972, 9705..9974		

Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51680	Strand	
Start	9580	End	10622
Name	OJ990714_05.9924.C8.o1.tw	Method	TBLASTX:Wheat
Start	9739	End	10311
GI	none	Score	261
Exons	9739..9987, 9741..9968, 9999..10025, 9999..10025, 10027..10311, 10036..10095, 10126..10308		

Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51680	Strand	
Start	9580	End	10622
Name	OJ990714_05.9924.C8.o2.tm	Method	TBLASTX:Maize
Start	9975	End	10622
GI	none	Score	106
Exons	9975..10049, 9976..10047, 10047..10385, 10048..10389, 10385..10585, 10389..10598, 10389..10622		

Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51680	Strand	
Start	9580	End	10622
Name	OJ990714_05.9924.C8.o3.ts	Method	TBLASTX:Soybean
Start	10156	End	10577
GI	none	Score	169
Exons	10156..10365, 10395..10577		

Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51680	Strand	
Start	9580	End	10622
Name	OJ990714_05.9924.C8.o4.tw	Method	TBLASTX:Wheat
Start	10386	End	10598
GI	none	Score	73
Exons	10386..10436, 10436..10585, 10449..10598, 10449..10598		

Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51681	Strand	
Start	10908	End	11703
Name	OJ990714_05.9924.C8.o5.tm	Method	TBLASTX:Maize
Start	10908	End	11237
GI	none	Score	407
Exons	10908..11237, 10944..11234, 10946..11236		

Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51681	Strand	
Start	10908	End	11703
Name	OJ990714_05.9924.C8.o1.ts	Method	TBLASTX:Soybean
Start	10970	End	11575
GI	5509260	Score	226
Exons	10970..11191, 10971..11189, 10971..11201, 11195..11533, 11196..11534, 11531..11575, 11534..11575		
GI Descrip.	-		

Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51681	Strand	
Start	10908	End	11703
Name	OJ990714_05.9924.C8.o2.tw	Method	TBLASTX:Wheat
Start	11096	End	11563
GI	none	Score	87
Exons	11096..11188, 11112..11189, 11199..11534, 11218..11535, 11219..11533, 11531..11563		

Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51681	Strand	
Start	10908	End	11703
Name	OJ990714_05.9924.C8.o2.tc	Method	TBLASTX:Cress
Start	11178	End	11459

GI	none	Score	196
Exons	11178..11459, 11183..11440		
Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51681	Strand	
Start	10908	End	11703
Name	OJ990714_05.9924.C8.o3.tm	Method	TBLASTX:Maize
Start	11238	End	11703
GI	none	Score	385
Exons	11238..11534, 11240..11593, 11332..11535, 11336..11542, 11531..11635, 11533..11628, 11590..11700, 11635..11703, 11645..11701		
Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51682	Strand	
Start	11725	End	11928
Name	OJ990714_05.9924.C8.o6.tm	Method	TBLASTX:Maize
Start	11725	End	11928
GI	none	Score	236
Exons	11725..11928, 11745..11927		
Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51683	Strand	
Start	11929	End	12612
Name	OJ990714_05.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	11929	End	12612
GI	none	Score	978
Exons	11929..12612, 11938..12228, 11940..12539, 12295..12612		
Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51683	Strand	
Start	11929	End	12612
Name	OJ990714_05.9924.C8.o2.ts	Method	TBLASTX:Soybean
Start	11947	End	12588
GI	none	Score	281
Exons	11947..12345, 12156..12335, 12355..12588		
Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51683	Strand	
Start	11929	End	12612
Name	OJ990714_05.9924.C8.o1.tc	Method	TBLASTX:Cress
Start	12127	End	12585
GI	none	Score	59
Exons	12127..12204, 12220..12354, 12373..12585		
Seq. No.	24895	Seq. ID	OJ990714_05.9924.C8
Gene No.	51683	Strand	
Start	11929	End	12612
Name	OJ990714_05.9924.C8.o3.tw	Method	TBLASTX:Wheat
Start	12136	End	12540
GI	none	Score	126
Exons	12136..12342, 12240..12341, 12364..12540, 12423..12539		
Seq. No.	24896	Seq. ID	OJ990714_05.9924.C9
Gene No.	51684	Strand	+
Start	175	End	5709
Name	OJ990714_05.9924.C9.o1.gs	Method	GENSCAN

Start	175	End	1835
GI	none	Score	.78
Exons	175..1105, 1126..1835		

Seq. No.	24896	Seq. ID	OJ990714_05.9924.C9
Gene No.	51684	Strand	+
Start	175	End	5709
Name	OJ990714_05.9924.C9.o1.np	Method	AAT/NAP
Start	1066	End	5709
GI	4263831	Score	617
Exons	1066..1085, 3604..4575, 4687..5038, 5306..5709		
GI Descrip.	(AC006067) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	24896	Seq. ID	OJ990714_05.9924.C9
Gene No.	51684	Strand	+
Start	175	End	5709
Name	OJ990714_05.9924.C9.o2.gs	Method	GENSCAN
Start	2538	End	5453
GI	none	Score	.58
Exons	2538..2599, 2766..2877, 3187..3269, 3575..3938, 3971..4801, 5116..5453		

Seq. No.	24896	Seq. ID	OJ990714_05.9924.C9
Gene No.	51684	Strand	+
Start	175	End	5709
Name	OJ990714_05.9924.C9.o2.np	Method	AAT/NAP
Start	3595	End	5709
GI	4378066	Score	870
Exons	3595..5709		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	24896	Seq. ID	OJ990714_05.9924.C9
Gene No.	51684	Strand	+
Start	175	End	5709
Name	OJ990714_05.9924.C9.o1.tw	Method	TBLASTX:Wheat
Start	3615	End	3951
GI	none	Score	415
Exons	3615..3950, 3623..3949, 3627..3950, 3634..3951		

Seq. No.	24896	Seq. ID	OJ990714_05.9924.C9
Gene No.	51684	Strand	+
Start	175	End	5709
Name	OJ990714_05.9924.C9.o2.tm	Method	TBLASTX:Maize
Start	3618	End	3836
GI	none	Score	270
Exons	3618..3836, 3618..3818, 3623..3835		

Seq. No.	24896	Seq. ID	OJ990714_05.9924.C9
Gene No.	51684	Strand	+
Start	175	End	5709
Name	OJ990714_05.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	3837	End	4297
GI	none	Score	162
Exons	3837..3950, 3839..3949, 3955..4296, 3962..4297		

Seq. No.	24896	Seq. ID	OJ990714_05.9924.C9
Gene No.	51684	Strand	+
Start	175	End	5709
Name	OJ990714_05.9924.C9.o2.tw	Method	TBLASTX:Wheat
Start	3953	End	4366
GI	none	Score	215
Exons	3953..4288, 3985..4248, 4283..4366		

Seq. No.	24896	Seq. ID	OJ990714_05.9924.C9
Gene No.	51684	Strand	+
Start	175	End	5709
Name	OJ990714_05.9924.C9.o1.ts	Method	TBLASTX:Soybean
Start	3983	End	4453
GI	none	Score	210
Exons	3983..4264, 4021..4245, 4268..4453, 4309..4422		

Seq. No.	24896	Seq. ID	OJ990714_05.9924.C9
Gene No.	51684	Strand	+
Start	175	End	5709
Name	OJ990714_05.9924.C9.o2.ts	Method	TBLASTX:Soybean
Start	4604	End	4986
GI	none	Score	136
Exons	4604..4741, 4606..4737, 4762..4932, 4763..4930, 4927..4986		

Seq. No.	24896	Seq. ID	OJ990714_05.9924.C9
Gene No.	51684	Strand	+
Start	175	End	5709
Name	OJ990714_05.9924.C9.o3.np	Method	AAT/NAP
Start	5345	End	5709
GI	629693	Score	211
Exons	5345..5709		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	24896	Seq. ID	OJ990714_05.9924.C9
Gene No.	51684	Strand	+
Start	175	End	5709
Name	OJ990714_05.9924.C9.o3.ts	Method	TBLASTX:Soybean
Start	5383	End	5663
GI	none	Score	124
Exons	5383..5523, 5529..5663, 5570..5662		

Seq. No.	24897	Seq. ID	OJ990714_05.9924.C10
Gene No.	51685	Strand	+
Start	1	End	466
Name	OJ990714_05.9924.C10.o1.np	Method	AAT/NAP
Start	1	End	466
GI	4544372	Score	177
Exons	1..466		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	24897	Seq. ID	OJ990714_05.9924.C10
Gene No.	51686	Strand	+
Start	5822	End	7071
Name	OJ990714_05.9924.C10.o2.tw	Method	TBLASTX:Wheat

Start	43	End	451
GI	none	Score	77
Exons	43..174, 194..451, 259..417		

Seq. No.	24897	Seq. ID	OJ990714_05.9924.C10
Gene No.	51686	Strand	+
Start	5822	End	7071
Name	OJ990714_05.9924.C10.o1.ts	Method	TBLASTX:Soybean
Start	227	End	466
GI	none	Score	237
Exons	227..466, 229..399, 436..465		

Seq. No.	24897	Seq. ID	OJ990714_05.9924.C10
Gene No.	51686	Strand	+
Start	5822	End	7071
Name	OJ990714_05.9924.C10.o2.ts	Method	TBLASTX:Soybean
Start	5741	End	6106
GI	none	Score	191
Exons	5741..6106		

Seq. No.	24897	Seq. ID	OJ990714_05.9924.C10
Gene No.	51686	Strand	+
Start	5822	End	7071
Name	OJ990714_05.9924.C10.o3.gs	Method	GENSCAN
Start	5822	End	6925
GI	none	Score	55
Exons	5822..6150, 6266..6444, 6644..6925		

Seq. No.	24897	Seq. ID	OJ990714_05.9924.C10
Gene No.	51686	Strand	+
Start	5822	End	7071
Name	OJ990714_05.9924.C10.o3.np	Method	AAT/NAP
Start	5898	End	7071
GI	4544372	Score	377
Exons	5898..6050, 6352..7071		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	24897	Seq. ID	OJ990714_05.9924.C10
Gene No.	51686	Strand	+
Start	5822	End	7071
Name	OJ990714_05.9924.C10.o1.tw	Method	TBLASTX:Wheat
Start	6676	End	7071
GI	none	Score	81
Exons	6676..6732, 6681..6722, 6727..6870, 6735..6866, 6736..6870, 6858..7028, 6865..7071, 6865..7071		

Seq. No.	24897	Seq. ID	OJ990714_05.9924.C10
Gene No.	51686	Strand	+
Start	5822	End	7071
Name	OJ990714_05.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	6730	End	6986
GI	none	Score	175
Exons	6730..6870, 6735..6866, 6739..6870, 6858..6986, 6864..6980, 6865..6984		

Seq. No.	24898	Seq. ID	OJ990714_05.9924.C11

Gene No.	51687	Strand	+
Start	89	End	2640
Name	OJ990714_05.9924.C11.o1.gs	Method	GENSCAN
Start	89	End	605
GI	none	Score	.89
Exons	89..605		

Seq. No.	24898	Seq. ID	OJ990714_05.9924.C11
Gene No.	51687	Strand	+
Start	89	End	2640
Name	OJ990714_05.9924.C11.o1.np	Method	AAT/NAP
Start	497	End	1687
GI	4544372	Score	565
Exons	497..1687		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	24898	Seq. ID	OJ990714_05.9924.C11
Gene No.	51687	Strand	+
Start	89	End	2640
Name	OJ990714_05.9924.C11.o2.np	Method	AAT/NAP
Start	574	End	2640
GI	629693	Score	517
Exons	574..1690, 2596..2640		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	24898	Seq. ID	OJ990714_05.9924.C11
Gene No.	51687	Strand	+
Start	89	End	2640
Name	OJ990714_05.9924.C11.o2.gs	Method	GENSCAN
Start	815	End	1708
GI	none	Score	.98
Exons	815..1708		

Seq. No.	24898	Seq. ID	OJ990714_05.9924.C11
Gene No.	51688	Strand	-
Start	2106	End	12891
Name	OJ990714_05.9924.C11.o2.ts	Method	TBLASTX:Soybean
Start	2	End	256
GI	none	Score	201
Exons	2..256, 3..254		

Seq. No.	24898	Seq. ID	OJ990714_05.9924.C11
Gene No.	51688	Strand	-
Start	2106	End	12891
Name	OJ990714_05.9924.C11.o2.tw	Method	TBLASTX:Wheat
Start	18	End	380
GI	none	Score	191
Exons	18..380, 29..94, 128..265		

Seq. No.	24898	Seq. ID	OJ990714_05.9924.C11
Gene No.	51688	Strand	-
Start	2106	End	12891
Name	OJ990714_05.9924.C11.o1.tm	Method	TBLASTX:Maize
Start	705	End	1084
GI	none	Score	53

Exons	705..827, 860..1084		
Seq. No.	24898	Seq. ID	OJ990714_05.9924.C11
Gene No.	51688	Strand	-
Start	2106	End	12891
Name	OJ990714_05.9924.C11.o3.ts	Method	TBLASTX:Soybean
Start	708	End	1105
GI	none	Score	60
Exons	708..830, 830..1105		
Seq. No.	24898	Seq. ID	OJ990714_05.9924.C11
Gene No.	51688	Strand	-
Start	2106	End	12891
Name	OJ990714_05.9924.C11.o3.tw	Method	TBLASTX:Wheat
Start	862	End	1228
GI	none	Score	168
Exons	862..945, 863..1120, 1187..1228		
Seq. No.	24898	Seq. ID	OJ990714_05.9924.C11
Gene No.	51688	Strand	-
Start	2106	End	12891
Name	OJ990714_05.9924.C11.o1.tw	Method	TBLASTX:Wheat
Start	1265	End	1672
GI	none	Score	216
Exons	1265..1672, 1495..1638		
Seq. No.	24898	Seq. ID	OJ990714_05.9924.C11
Gene No.	51688	Strand	-
Start	2106	End	12891
Name	OJ990714_05.9924.C11.o1.ts	Method	TBLASTX:Soybean
Start	1448	End	1698
GI	none	Score	240
Exons	1448..1693, 1450..1581, 1660..1698		
Seq. No.	24898	Seq. ID	OJ990714_05.9924.C11
Gene No.	51688	Strand	-
Start	2106	End	12891
Name	OJ990714_05.9924.C11.o3.gs	Method	GENSCAN
Start	2106	End	12891
GI	none	Score	.64
Exons	2106..2759, 2842..2955, 3235..3364, 3739..4146, 4234..4333, 4595..5129, 5226..5356, 5546..5781, 7209..7348, 7383..7448, 7610..7725, 7774..7939, 8017..8657, 8994..9306, 9575..9645, 9895..10130, 10988..11192, 12003..12085, 12815..12891		
Seq. No.	24899	Seq. ID	OJ990714_05.9924.C12
Gene No.	51689	Strand	+
Start	1055	End	1436
Name	OJ990714_05.9924.C12.o1.gp	Method	AAT/GAP
Start	1055	End	1436
GI	uC-osflcyp033a04b1	Score	631
Exons	1055..1436		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	24899	Seq. ID	OJ990714_05.9924.C12
Gene No.	51690	Strand	-

Start	1	End	5221
Name	OJ990714_05.9924.C12.o2.np	Method	AAT/NAP
Start	1	End	3517
GI	4680203	Score	542
Exons	1..23, 2886..3517		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	24899	Seq. ID	OJ990714_05.9924.C12
Gene No.	51690	Strand	-
Start	1	End	5221
Name	OJ990714_05.9924.C12.o1.np	Method	AAT/NAP
Start	988	End	5221
GI	4680186	Score	349
Exons	988..1188, 2028..2082, 5159..5221		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	24899	Seq. ID	OJ990714_05.9924.C12
Gene No.	51690	Strand	-
Start	1	End	5221
Name	OJ990714_05.9924.C12.o1.tw	Method	TBLASTX:Wheat
Start	2887	End	3162
GI	none	Score	148
Exons	2887..3078, 2888..3070, 3061..3162		

Seq. No.	24900	Seq. ID	OJ990714_05.9924.C13
Gene No.	51691	Strand	+
Start	4925	End	12131
Name	OJ990714_05.9924.C13.o2.gs	Method	GENSCAN
Start	4925	End	12131
GI	none	Score	.74
Exons	4925..5085, 5181..5241, 5345..5507, 5547..5630, 5989..6043, 6777..6864, 7335..7445, 9312..9503, 10090..10187, 10598..10766, 10876..10951, 11995..12131		

Seq. No.	24900	Seq. ID	OJ990714_05.9924.C13
Gene No.	51691	Strand	+
Start	4925	End	12131
Name	OJ990714_05.9924.C13.o1.gp	Method	AAT/GAP
Start	5022	End	7438
GI	none	Score	762
Exons	5022..5085, 5181..5353, 5547..5630, 6823..6864, 7335..7438		

Seq. No.	24900	Seq. ID	OJ990714_05.9924.C13
Gene No.	51692	Strand	-
Start	48	End	6462
Name	OJ990714_05.9924.C13.o1.gs	Method	GENSCAN
Start	48	End	4037
GI	none	Score	.49
Exons	48..98, 485..685, 909..1258, 1915..2033, 2381..2591, 2744..2920, 3300..3615, 3972..4037		

Seq. No.	24900	Seq. ID	OJ990714_05.9924.C13
Gene No.	51692	Strand	-
Start	48	End	6462
Name	OJ990714_05.9924.C13.o1.np	Method	AAT/NAP
Start	443	End	3546
GI	3242717	Score	150

Exons	443..647, 925..1091, 3478..3546		
GI Descrip.	(AC003040) putative GDSL-motif lipase/hydrolase [Arabidopsis thaliana]		

Seq. No.	24900	Seq. ID	OJ990714_05.9924.C13
Gene No.	51692	Strand	-
Start	48	End	6462
Name	OJ990714_05.9924.C13.o2.np	Method	AAT/NAP
Start	2310	End	6462
GI	6691191	Score	329
Exons	2310..2834, 6397..6462		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	24900	Seq. ID	OJ990714_05.9924.C13
Gene No.	51693	Strand	-
Start	10626	End	11061
Name	OJ990714_05.9924.C13.o3.gp	Method	AAT/GAP
Start	10626	End	11061
GI	none	Score	828
Exons	10626..11061		

Seq. No.	24900	Seq. ID	OJ990714_05.9924.C13
Gene No.	51694	Strand	-
Start	13763	End	16726
Name	OJ990714_05.9924.C13.o1.tw	Method	TBLASTX:Wheat
Start	2326	End	2677
GI	none	Score	74
Exons	2326..2583, 2342..2458, 2597..2677		

Seq. No.	24900	Seq. ID	OJ990714_05.9924.C13
Gene No.	51694	Strand	-
Start	13763	End	16726
Name	OJ990714_05.9924.C13.o2.ts	Method	TBLASTX:Soybean
Start	2326	End	2677
GI	none	Score	69
Exons	2326..2367, 2367..2387, 2404..2583, 2582..2677		

Seq. No.	24900	Seq. ID	OJ990714_05.9924.C13
Gene No.	51694	Strand	-
Start	13763	End	16726
Name	OJ990714_05.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	5233	End	10808
GI	none	Score	206
Exons	5233..5376, 5237..5353, 5544..5630, 5544..5630, 5546..5632, 5546..5635, 6820..6867, 7208..7252, 7344..7448, 7358..7447, 9303..9503, 9303..9503, 10087..10197, 10090..10188, 10094..10189, 10568..10807, 10596..10808		

Seq. No.	24900	Seq. ID	OJ990714_05.9924.C13
Gene No.	51694	Strand	-
Start	13763	End	16726
Name	OJ990714_05.9924.C13.o1.ts	Method	TBLASTX:Soybean
Start	5234	End	9449
GI	none	Score	181
Exons	5234..5362, 5236..5400, 5544..5633, 5549..5635, 7323..7448, 7332..7445, 7334..7450, 9314..9448, 9315..9449		

Seq. No.	24900	Seq. ID	OJ990714_05.9924.C13
Gene No.	51694	Strand	-
Start	13763	End	16726
Name	OJ990714_05.9924.C13.o1.tc	Method	TBLASTX:Cress
Start	9410	End	10764
GI	none	Score	132
Exons	9410..9502, 9414..9503, 10090..10188, 10092..10187, 10602..10763, 10613..10762, 10618..10764		

Seq. No.	24900	Seq. ID	OJ990714_05.9924.C13
Gene No.	51694	Strand	-
Start	13763	End	16726
Name	OJ990714_05.9924.C13.o3.gs	Method	GENSCAN
Start	13763	End	16726
GI	none	Score	.7
Exons	13763..14005, 14303..14506, 15855..15945, 16615..16726		

Seq. No.	24901	Seq. ID	OJ990714_05.9924.C14
Gene No.	51695	Strand	+
Start	1446	End	1535
Name	OJ990714_05.9924.C14.o1.np	Method	AAT/NAP
Start	1446	End	1535
GI	4680183	Score	123
Exons	1446..1535		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	24901	Seq. ID	OJ990714_05.9924.C14
Gene No.	51696	Strand	-
Start	6502	End	8505
Name	OJ990714_05.9924.C14.o2.np	Method	AAT/NAP
Start	6478	End	8505
GI	4191779	Score	414
Exons	6478..6888, 7061..7198, 8455..8505		
GI Descrip.	(AC005917) putative recA protein [Arabidopsis thaliana]		

Seq. No.	24901	Seq. ID	OJ990714_05.9924.C14
Gene No.	51696	Strand	-
Start	6502	End	8505
Name	OJ990714_05.9924.C14.o2.gs	Method	GENSCAN
Start	6502	End	7195
GI	none	Score	.94
Exons	6502..6888, 7061..7195		

Seq. No.	24901	Seq. ID	OJ990714_05.9924.C14
Gene No.	51696	Strand	-
Start	6502	End	8505
Name	OJ990714_05.9924.C14.o1.tm	Method	TBLASTX:Maize
Start	6628	End	7169
GI	none	Score	95
Exons	6628..6738, 6736..6894, 6740..6895, 6798..6917, 7046..7168, 7071..7169		

Seq. No.	24901	Seq. ID	OJ990714_05.9924.C14
Gene No.	51696	Strand	-
Start	6502	End	8505
Name	OJ990714_05.9924.C14.o1.ts	Method	TBLASTX:Soybean
Start	6715	End	7186

GI	none	Score	78
Exons	6715..6894, 6734..6868, 6745..6891, 7049..7186, 7062..7178		

Seq. No.	24902	Seq. ID	OJ990604_06.9920.C1
Gene No.	51697	Strand	-
Start	43	End	132
Name	OJ990604_06.9920.C1.o1.gs	Method	GENSCAN
Start	43	End	132
GI	none	Score	.67
Exons	43..132		

Seq. No.	24903	Seq. ID	OJ990604_06.9920.C2
Gene No.	51698	Strand	+
Start	100	End	667
Name	OJ990604_06.9920.C2.o1.tm	Method	TBLASTX:Maize
Start	69	End	360
GI	none	Score	313
Exons	69..359, 70..360		

Seq. No.	24903	Seq. ID	OJ990604_06.9920.C2
Gene No.	51698	Strand	+
Start	100	End	667
Name	OJ990604_06.9920.C2.o1.tw	Method	TBLASTX:Wheat
Start	69	End	429
GI	none	Score	184
Exons	69..362, 70..366, 328..429		

Seq. No.	24903	Seq. ID	OJ990604_06.9920.C2
Gene No.	51698	Strand	+
Start	100	End	667
Name	OJ990604_06.9920.C2.o1.ts	Method	TBLASTX:Soybean
Start	82	End	503
GI	none	Score	204
Exons	82..327, 82..288, 84..332, 328..486, 372..503		

Seq. No.	24903	Seq. ID	OJ990604_06.9920.C2
Gene No.	51698	Strand	+
Start	100	End	667
Name	OJ990604_06.9920.C2.o1.gs	Method	GENSCAN
Start	100	End	667
GI	none	Score	.47
Exons	100..177, 612..667		

Seq. No.	24904	Seq. ID	OJ990604_06.9920.C4
Gene No.	51699	Strand	-
Start	774	End	1114
Name	OJ990604_06.9920.C4.o1.gs	Method	GENSCAN
Start	774	End	1114
GI	none	Score	.94
Exons	774..1114		

Seq. No.	24905	Seq. ID	OJ990604_06.9920.C5
Gene No.	51700	Strand	-
Start	336	End	661
Name	OJ990604_06.9920.C5.o1.np	Method	AAT/NAP
Start	336	End	661
GI	6063554	Score	127

Exons	336..509, 613..661		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	24905	Seq. ID	OJ990604_06.9920.C5
Gene No.	51700	Strand	-
Start	336	End	661
Name	OJ990604_06.9920.C5.o2.gp	Method	AAT/GAP
Start	496	End	661
GI	2428185	Score	272
Exons	496..661		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	24906	Seq. ID	OJ990604_06.9920.C6
Gene No.	51701	Strand	+
Start	387	End	941
Name	OJ990604_06.9920.C6.o1.gs	Method	GENSCAN
Start	387	End	711
GI	none	Score	.82
Exons	387..513, 708..711		
Seq. No.	24906	Seq. ID	OJ990604_06.9920.C6
Gene No.	51701	Strand	+
Start	387	End	941
Name	OJ990604_06.9920.C6.o1.np	Method	AAT/NAP
Start	398	End	941
GI	5295955	Score	151
Exons	398..513, 911..941		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	24907	Seq. ID	OJ990604_06.9920.C7
Gene No.	51702	Strand	+
Start	378	End	1232
Name	OJ990604_06.9920.C7.o1.np	Method	AAT/NAP
Start	378	End	1232
GI	5295955	Score	270
Exons	378..498, 577..870, 950..1012, 1052..1232		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	24908	Seq. ID	OJ990604_06.9920.C8
Gene No.	51703	Strand	+
Start	80	End	195
Name	OJ990604_06.9920.C8.o1.gs	Method	GENSCAN
Start	80	End	195
GI	none	Score	.7
Exons	80..195		
Seq. No.	24909	Seq. ID	OJ990604_06.9920.C9
Gene No.	51704	Strand	+
Start	1	End	1950
Name	OJ990604_06.9920.C9.o2.np	Method	AAT/NAP
Start	1	End	1950
GI	4544372	Score	458

Exons	1..62, 982..1950		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	24909	Seq. ID	OJ990604_06.9920.C9
Gene No.	51704	Strand	+
Start	1	End	1950
Name	OJ990604_06.9920.C9.o1.gs	Method	GENSCAN
Start	111	End	1773
GI	none	Score	.93
Exons	111..273, 860..1773		

Seq. No.	24909	Seq. ID	OJ990604_06.9920.C9
Gene No.	51705	Strand	-
Start	1	End	7993
Name	OJ990604_06.9920.C9.o1.np	Method	AAT/NAP
Start	1	End	7993
GI	4680183	Score	166
Exons	1..78, 688..758, 7935..7993		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	24909	Seq. ID	OJ990604_06.9920.C9
Gene No.	51705	Strand	-
Start	1	End	7993
Name	OJ990604_06.9920.C9.o1.ts	Method	TBLASTX:Soybean
Start	970	End	1368
GI	none	Score	244
Exons	970..1368		

Seq. No.	24909	Seq. ID	OJ990604_06.9920.C9
Gene No.	51705	Strand	-
Start	1	End	7993
Name	OJ990604_06.9920.C9.o1.tm	Method	TBLASTX:Maize
Start	982	End	1347
GI	none	Score	75
Exons	982..1125, 1123..1347		

Seq. No.	24909	Seq. ID	OJ990604_06.9920.C9
Gene No.	51705	Strand	-
Start	1	End	7993
Name	OJ990604_06.9920.C9.o2.tw	Method	TBLASTX:Wheat
Start	1126	End	1491
GI	none	Score	170
Exons	1126..1395, 1450..1491		

Seq. No.	24909	Seq. ID	OJ990604_06.9920.C9
Gene No.	51705	Strand	-
Start	1	End	7993
Name	OJ990604_06.9920.C9.o1.tw	Method	TBLASTX:Wheat
Start	1528	End	1935
GI	none	Score	211
Exons	1528..1935, 1758..1934		

Seq. No.	24909	Seq. ID	OJ990604_06.9920.C9
Gene No.	51705	Strand	-
Start	1	End	7993
Name	OJ990604_06.9920.C9.o2.ts	Method	TBLASTX:Soybean

Start	1711	End	1944
GI	none	Score	209
Exons	1711..1944, 1722..1850		

Seq. No.	24909	Seq. ID	OJ990604_06.9920.C9
Gene No.	51705	Strand	-
Start	1	End	7993
Name	OJ990604_06.9920.C9.o2.gs	Method	GENSCAN
Start	2309	End	7072
GI	none	Score	.6
Exons	2309..2959, 3071..3181, 3385..3687, 3891..3916, 4040..5071, 5222..5333, 5417..5596, 6123..6150, 6792..7072		

Seq. No.	24910	Seq. ID	OJ990604_06.9920.C10
Gene No.	51706	Strand	-
Start	345	End	1141
Name	OJ990604_06.9920.C10.o1.gs	Method	GENSCAN
Start	345	End	1141
GI	none	Score	.76
Exons	345..515, 609..795, 987..1141		

Seq. No.	24911	Seq. ID	OJ990604_06.9920.C11
Gene No.	51707	Strand	-
Start	134	End	1963
Name	OJ990604_06.9920.C11.o1.gs	Method	GENSCAN
Start	134	End	1963
GI	none	Score	.47
Exons	134..886, 1147..1228, 1335..1607, 1716..1963		

Seq. No.	24911	Seq. ID	OJ990604_06.9920.C11
Gene No.	51707	Strand	-
Start	134	End	1963
Name	OJ990604_06.9920.C11.o1.tw	Method	TBLASTX:Wheat
Start	914	End	1319
GI	none	Score	71
Exons	914..1009, 915..1010, 1091..1312, 1112..1315, 1131..1319		

Seq. No.	24912	Seq. ID	OJ990604_06.9920.C12
Gene No.	51708	Strand	-
Start	310	End	1794
Name	OJ990604_06.9920.C12.o1.np	Method	AAT/NAP
Start	310	End	1794
GI	4680203	Score	515
Exons	310..1234, 1717..1794		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	24912	Seq. ID	OJ990604_06.9920.C12
Gene No.	51708	Strand	-
Start	310	End	1794
Name	OJ990604_06.9920.C12.o1.tw	Method	TBLASTX:Wheat
Start	476	End	1189
GI	none	Score	54
Exons	476..517, 533..637, 564..632, 650..694, 651..701, 701..751, 744..839, 760..903, 772..888, 836..898, 940..1188, 1124..1189		

Seq. No.	24913	Seq. ID	OJ990604_06.9920.C13
Gene No.	51709	Strand	+

Start	67	End	128
Name	OJ990604_06.9920.C13.o1.gs	Method	GENSCAN
Start	67	End	128
GI	none	Score	.43
Exons	67..128		

Seq. No.	24913	Seq. ID	OJ990604_06.9920.C13
Gene No.	51710	Strand	+
Start	298	End	1461
Name	OJ990604_06.9920.C13.o1.np	Method	AAT/NAP
Start	298	End	1461
GI	5852175	Score	158
Exons	298..346, 917..1017, 1356..1461		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	24913	Seq. ID	OJ990604_06.9920.C13
Gene No.	51710	Strand	+
Start	298	End	1461
Name	OJ990604_06.9920.C13.o1.gp	Method	AAT/GAP
Start	323	End	551
GI	101153_1.R1084	Score	401
Exons	323..551		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	24913	Seq. ID	OJ990604_06.9920.C13
Gene No.	51710	Strand	+
Start	298	End	1461
Name	OJ990604_06.9920.C13.o2.gp	Method	AAT/GAP
Start	569	End	998
GI	2428185	Score	809
Exons	569..998		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	24914	Seq. ID	OJ990604_06.9920.C14
Gene No.	51711	Strand	-
Start	1	End	789
Name	OJ990604_06.9920.C14.o1.np	Method	AAT/NAP
Start	1	End	789
GI	5902445	Score	880
Exons	1..789		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	24914	Seq. ID	OJ990604_06.9920.C14
Gene No.	51711	Strand	-
Start	1	End	789
Name	OJ990604_06.9920.C14.o2.tm	Method	TBLASTX:Maize
Start	43	End	416
GI	none	Score	195
Exons	43..141, 137..415, 138..416		

Seq. No.	24914	Seq. ID	OJ990604_06.9920.C14
Gene No.	51711	Strand	-
Start	1	End	789
Name	OJ990604_06.9920.C14.o1.gs	Method	GENSCAN
Start	125	End	705

GI	none	Score	.93
Exons	125..705		

Seq. No.	24914	Seq. ID	OJ990604_06.9920.C14
Gene No.	51711	Strand	-
Start	1	End	789
Name	OJ990604_06.9920.C14.o1.ts	Method	TBLASTX:Soybean
Start	146	End	379
GI	none	Score	94
Exons	146..379, 147..362		

Seq. No.	24914	Seq. ID	OJ990604_06.9920.C14
Gene No.	51711	Strand	-
Start	1	End	789
Name	OJ990604_06.9920.C14.o1.tw	Method	TBLASTX:Wheat
Start	155	End	574
GI	none	Score	226
Exons	155..574, 168..572		

Seq. No.	24914	Seq. ID	OJ990604_06.9920.C14
Gene No.	51711	Strand	-
Start	1	End	789
Name	OJ990604_06.9920.C14.o1.tm	Method	TBLASTX:Maize
Start	443	End	764
GI	none	Score	129
Exons	443..748, 443..763, 453..764		

Seq. No.	24914	Seq. ID	OJ990604_06.9920.C14
Gene No.	51711	Strand	-
Start	1	End	789
Name	OJ990604_06.9920.C14.o2.tw	Method	TBLASTX:Wheat
Start	575	End	788
GI	none	Score	100
Exons	575..769, 575..787, 576..788		

Seq. No.	24915	Seq. ID	OJ990604_06.9920.C15
Gene No.	51712	Strand	+
Start	4714	End	7804
Name	OJ990604_06.9920.C15.o2.gs	Method	GENSCAN
Start	4714	End	5992
GI	none	Score	.79
Exons	4714..4834, 5532..5992		

Seq. No.	24915	Seq. ID	OJ990604_06.9920.C15
Gene No.	51712	Strand	+
Start	4714	End	7804
Name	OJ990604_06.9920.C15.o2.np	Method	AAT/NAP
Start	5651	End	7804
GI	5724774	Score	214
Exons	5651..6312, 7786..7804		
GI Descrip.	(AF160183) contains similarity to retrotransposons; may be a pseudogene [Arabidopsis thaliana]		

Seq. No.	24915	Seq. ID	OJ990604_06.9920.C15
Gene No.	51713	Strand	-
Start	1	End	2514
Name	OJ990604_06.9920.C15.o1.np	Method	AAT/NAP